



## NATIONAL ANALYSIS

# THE PRELIMINARY NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT (BASED ON 2001 DATA)





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## INTRODUCTION

The United States Environmental Protection Agency (EPA), in partnership with the States<sup>1</sup>, biennially collects information regarding the generation, management, and final disposition of hazardous wastes regulated under the Resource Conservation and Recovery Act of 1976 (RCRA), as amended. The purpose of this **Preliminary** 2001 National Biennial Report is to communicate the initial findings of EPA's 2001 hazardous waste reporting data collection efforts and to allow the States and EPA to assess the quality and completeness of the State's data submissions on which the **FINAL** 2001 National Biennial Report will be based. The **Preliminary** 2001 National Biennial Report consists of three volumes of data:

- The **National Analysis** data presents a detailed look at waste-handling practices in the States, and largest facilities nationally, including (1) the quantity of waste generated, managed, shipped and received, and interstate shipments and receipts and (2) the number of generators and managing facilities,
- The **State Detail Analysis** data is a detailed look at each State's waste handling practices, including overall totals for generation, management, shipments and receipts, as well as totals for the largest fifty facilities, and
- The **List of Sites** identifies every hazardous waste facility in the United States that submitted a hazardous waste report in 2001.

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<sup>1</sup>The term "State" includes the District of Columbia, Puerto Rico, Guam, the Navajo Nation, the Trust Territories, and the Virgin Islands, in addition to the 50 United States.

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## **RCRA HAZARDOUS WASTE**

Throughout this Report, the term RCRA hazardous waste refers to solid waste assigned a Federal Hazardous Waste Code and regulated by RCRA. Some States elect to regulate wastes not regulated by EPA; these wastes are assigned State Hazardous Waste Codes and may not be included in this Report. The reader can find more detailed explanations in the *RCRA Orientation Manual* (<http://www.epa.gov/epaoswer/general/orientat/>) and in the Code of Federal Regulations in 40 CFR Parts 260 and 261. Please refer to Appendix D of this Report for a complete list of EPA Hazardous Waste Codes used by the regulated community for their 2001 Biennial Report submissions. Details about the information submitted by the regulated community can be found in the *2001 Hazardous Waste Report Instructions and Forms* (<http://www.epa.gov/oswfiles/rcrainfo/brc.htm>).

## **RCRA HAZARDOUS WASTE GENERATION**

RCRA hazardous waste generation information is obtained from data reported by RCRA large quantity generators (LQGs). A generator is defined as a Federal large quantity generator if:

- the generator generated in any single month 1,000 kg (2,200 pounds or 1.1 tons) or more of RCRA hazardous waste; or
- the generator generated in any single month, or accumulated at any time, 1 kg (2.2 pounds) of RCRA acute hazardous waste; or
- the generator generated, or accumulated at any time, more than 100 kg (220 pounds) of spill cleanup material contaminated with RCRA acute hazardous waste.

All facilities that were LQGs in 2001 are required to provide EPA with 2001 waste generation and management information. It is important to note that the generators identified in this Report have been included based on the most current information made available to EPA by

the States. However, the generator counts may include some generators that, when determining whether they were LQGs, used a lower State-defined threshold for LQGs, counted wastes regulated only by their States, or counted wastes exempt from Federal regulation.

## **RCRA HAZARDOUS WASTE MANAGEMENT**

RCRA hazardous waste management information is obtained from data reported by facilities which treated, stored, or disposed of RCRA hazardous wastes on site during 2001. Only wastes that were treated or disposed of in 2001 are included in the management quantities in this Report.

## **RCRA HAZARDOUS WASTE SHIPMENTS AND RECEIPTS**

RCRA hazardous waste shipment information is obtained from data reported by both RCRA LQGs and facilities which treated, stored, or disposed of RCRA hazardous wastes on site during 2001. RCRA hazardous waste receipt information is obtained from data reported by facilities which treated, stored, or disposed of RCRA hazardous wastes on site during 2001. All reported shipments identified for inclusion in the national report are included in the waste shipment quantities in this Report, even if the waste was shipped to a transfer facility. In some instances, waste is transferred within a physical location that has more than one EPA Identification Number. These waste transfers are treated as shipments.

RCRA hazardous waste interstate shipment quantities include wastes generated in one State and shipped to a receiver in a different State, excluding shipments to a foreign country. Interstate shipments are calculated from information provided by waste shippers. RCRA hazardous waste interstate receipts include all wastes received by a State which differs from the State of origin, excluding foreign imports. RCRA hazardous waste interstate receipts are calculated from information provided by facilities that received the wastes.

## THE DATA PRESENTED IN THIS PRELIMINARY NATIONAL BIENNIAL REPORT

Beginning with the 2001 biennial reporting cycle, EPA changed the reporting requirements for RCRA hazardous wastes. EPA would like to caution all readers of this Report that the changes to these reporting requirements will make cursory comparisons of the **Preliminary** 2001 National Biennial Report data to earlier National Report data misleading.

For this **Preliminary** 2001 National Biennial Report, EPA has included all data that was identified by the State or implementing EPA office for inclusion in the Report. This may include wastewaters, waste not physically generated on-site, storage and transfer only waste and wastes described with only State Hazardous Waste Codes. This is significant, because prior to the 2001 National Biennial Report, EPA excluded wastes with wastewater characteristics, waste not physically generated on-site, storage and transfer only waste and wastes described with only State Hazardous Waste Codes. For the 2001 National Biennial Report, it has become the individual States' responsibility to properly identify data that is to be included or excluded from the National Report.

As stated earlier, this **Preliminary** Report is provided to allow the States and EPA to assess the quality and completeness of the data submissions on which the **FINAL** 2001 National Biennial Report will be based. **For this reason, EPA would like to caution the use of this Preliminary data and advise all readers to expect SIGNIFICANT changes to the data for MANY States when they submit their Final data to EPA.**

**EPA did not receive data in the proper format from the State of Wisconsin prior to the deadline for developing this Report, therefore no Wisconsin data will appear in this Report or the Preliminary 2001 Biennial Report data files. The State of Minnesota submitted partial data to EPA, but, this data did not include any of their facilities' data regarding RCRA hazardous wastes managed on site or received from an off-site source during 2001 and managed on site. EPA anticipates that each States' 2001 Biennial Report data will be complete and included in the FINAL 2001 National Biennial Report and the FINAL 2001 Biennial Report data files.**



# Preliminary National Biennial RCRA Hazardous Waste Report: Based on 2001 Data

**Exhibit 1.1** Quantity of RCRA Hazardous Waste Generated and Number of Hazardous Waste Generators, by State, 2001

State	Hazardous Waste Quantity			Number of Generators			Reported Status	
	Rank	Tons Generated	Percentage	Rank	Number	Percentage	LQG	Non-LQG
ALABAMA	8	10,596,060	3.4	21	271	1.5	267	4
ALASKA	30	571,215	0.2	41	51	0.3	49	2
ARIZONA	35	302,181	0.1	27	196	1.1	193	3
ARKANSAS	16	3,168,462	1.0	26	203	1.1	185	18
CALIFORNIA	9	7,326,331	2.4	1	2,555	13.8	2,531	24
COLORADO	43	89,467	0.0	32	145	0.8	137	8
CONNECTICUT	40	202,082	0.1	17	363	2.0	359	4
DELAWARE	34	359,655	0.1	40	59	0.3	58	1
DISTRICT OF COLUMBIA	53	30	0.0	53	1	0.0	1	0
FLORIDA	17	2,611,585	0.8	15	374	2.0	353	21
GEORGIA	10	6,503,499	2.1	16	365	2.0	362	3
GUAM	51	412	0.0	47	26	0.1	12	14
HAWAII	32	465,383	0.2	46	36	0.2	31	5
IDAHO	39	219,450	0.1	43	48	0.3	31	17
ILLINOIS	23	1,463,426	0.5	4	956	5.2	955	1
INDIANA	25	1,329,214	0.4	9	626	3.4	492	134
IOWA	22	1,647,773	0.5	29	175	0.9	159	16
KANSAS	19	2,487,322	0.8	24	226	1.2	208	18
KENTUCKY	6	14,111,682	4.5	19	318	1.7	318	0
LOUISIANA	4	27,919,167	9.0	12	468	2.5	426	42
MAINE	48	7,676	0.0	39	74	0.4	69	5
MARYLAND	45	17,597	0.0	49	14	0.1	14	0
MASSACHUSETTS	15	3,563,731	1.1	13	432	2.3	427	5
MICHIGAN	28	699,151	0.2	8	790	4.3	596	194
MINNESOTA	26	877,231	0.3	28	185	1.0	183	2
MISSISSIPPI	11	5,826,307	1.9	31	162	0.9	157	5
MISSOURI	21	1,823,359	0.6	20	299	1.6	287	12
MONTANA	49	6,877	0.0	44	44	0.2	38	6
NAVAJO NATION	52	190	0.0	51	7	0.0	7	0
NEBRASKA	12	5,066,575	1.6	37	84	0.5	81	3
NEVADA	37	281,808	0.1	38	81	0.4	80	1
NEW HAMPSHIRE	46	12,290	0.0	23	232	1.3	167	65
NEW JERSEY	14	3,682,051	1.2	7	855	4.6	854	1
NEW MEXICO	13	4,399,311	1.4	45	42	0.2	38	4
NEW YORK	1	67,336,767	21.7	2	2,000	10.8	1,996	4
NORTH CAROLINA	33	362,242	0.1	11	474	2.6	444	30
NORTH DAKOTA	29	574,044	0.2	50	13	0.1	11	2
OHIO	20	1,858,610	0.6	3	1,068	5.8	952	116
OKLAHOMA	18	2,530,310	0.8	30	170	0.9	136	34
OREGON	36	286,571	0.1	25	210	1.1	210	0
PENNSYLVANIA	31	533,725	0.2	5	919	5.0	849	70
PUERTO RICO	24	1,359,154	0.4	35	85	0.5	85	0
RHODE ISLAND	42	90,990	0.0	34	123	0.7	120	3
SOUTH CAROLINA	41	181,409	0.1	18	319	1.7	290	29
SOUTH DAKOTA	54	0	0.0	54	0	0.0	0	0
TENNESSEE	3	47,279,621	15.2	14	398	2.2	395	3
TEXAS	2	47,338,968	15.3	6	896	4.8	891	5
TRUST TERRITORIES	47	8,999	0.0	52	3	0.0	2	1
UTAH	44	89,391	0.0	35	85	0.5	82	3
VERMONT	50	5,940	0.0	42	49	0.3	48	1
VIRGIN ISLANDS	54	0	0.0	54	0	0.0	0	0
VIRGINIA	27	707,762	0.2	22	268	1.4	267	1
WASHINGTON	38	267,782	0.1	10	509	2.7	509	0
WEST VIRGINIA	7	10,646,624	3.4	33	132	0.7	132	0
WISCONSIN	54	0	0.0	54	0	0.0	0	0
WYOMING	5	21,107,909	6.8	47	26	0.1	21	5
<b>Total</b>		<b>310,205,368</b>	<b>100.0</b>		<b>18,510</b>	<b>100.0</b>	<b>17,565</b>	<b>945</b>

**Note:** Columns may not sum due to rounding.

**Reporting requirement changes for the 2001 National Biennial will make cursory comparisons of the 2001 National Biennial Report to National Biennial Reports prior to 2001 misleading. Refer to the introduction for a complete explanation.**

## Preliminary National Biennial RCRA Hazardous Waste Report: Based on 2001 Data

**Exhibit 1.2** Rank Ordering of States Based on Quantity of RCRA Hazardous Waste Generated and Number of Hazardous Waste Generators, 2001

State	Hazardous Waste Quantity			Number of Generators			Reported Status	
	Rank	Tons Generated	Percentage	Rank	Number	Percentage	LQG	Non-LQG
NEW YORK	1	67,336,767	21.7	2	2,000	10.8	1,996	4
TEXAS	2	47,338,968	15.3	6	896	4.8	891	5
TENNESSEE	3	47,279,621	15.2	14	398	2.2	395	3
LOUISIANA	4	27,919,167	9.0	12	468	2.5	426	42
WYOMING	5	21,107,909	6.8	47	26	0.1	21	5
KENTUCKY	6	14,111,682	4.5	19	318	1.7	318	0
WEST VIRGINIA	7	10,646,624	3.4	33	132	0.7	132	0
ALABAMA	8	10,596,060	3.4	21	271	1.5	267	4
CALIFORNIA	9	7,326,331	2.4	1	2,555	13.8	2,531	24
GEORGIA	10	6,503,499	2.1	16	365	2.0	362	3
MISSISSIPPI	11	5,826,307	1.9	31	162	0.9	157	5
NEBRASKA	12	5,066,575	1.6	37	84	0.5	81	3
NEW MEXICO	13	4,399,311	1.4	45	42	0.2	38	4
NEW JERSEY	14	3,682,051	1.2	7	855	4.6	854	1
MASSACHUSETTS	15	3,563,731	1.1	13	432	2.3	427	5
ARKANSAS	16	3,168,462	1.0	26	203	1.1	185	18
FLORIDA	17	2,611,585	0.8	15	374	2.0	353	21
OKLAHOMA	18	2,530,310	0.8	30	170	0.9	136	34
KANSAS	19	2,487,322	0.8	24	226	1.2	208	18
OHIO	20	1,858,610	0.6	3	1,068	5.8	952	116
MISSOURI	21	1,823,359	0.6	20	299	1.6	287	12
IOWA	22	1,647,773	0.5	29	175	0.9	159	16
ILLINOIS	23	1,463,426	0.5	4	956	5.2	955	1
PUERTO RICO	24	1,359,154	0.4	35	85	0.5	85	0
INDIANA	25	1,329,214	0.4	9	626	3.4	492	134
MINNESOTA	26	877,231	0.3	28	185	1.0	183	2
VIRGINIA	27	707,762	0.2	22	268	1.4	267	1
MICHIGAN	28	699,151	0.2	8	790	4.3	596	194
NORTH DAKOTA	29	574,044	0.2	50	13	0.1	11	2
ALASKA	30	571,215	0.2	41	51	0.3	49	2
PENNSYLVANIA	31	533,725	0.2	5	919	5.0	849	70
HAWAII	32	465,383	0.2	46	36	0.2	31	5
NORTH CAROLINA	33	362,242	0.1	11	474	2.6	444	30
DELAWARE	34	359,655	0.1	40	59	0.3	58	1
ARIZONA	35	302,181	0.1	27	196	1.1	193	3
OREGON	36	286,571	0.1	25	210	1.1	210	0
NEVADA	37	281,808	0.1	38	81	0.4	80	1
WASHINGTON	38	267,782	0.1	10	509	2.7	509	0
IDAHO	39	219,450	0.1	43	48	0.3	31	17
CONNECTICUT	40	202,082	0.1	17	363	2.0	359	4
SOUTH CAROLINA	41	181,409	0.1	18	319	1.7	290	29
RHODE ISLAND	42	90,990	0.0	34	123	0.7	120	3
COLORADO	43	89,467	0.0	32	145	0.8	137	8
UTAH	44	89,391	0.0	35	85	0.5	82	3
MARYLAND	45	17,597	0.0	49	14	0.1	14	0
NEW HAMPSHIRE	46	12,290	0.0	23	232	1.3	167	65
TRUST TERRITORIES	47	8,999	0.0	52	3	0.0	2	1
MAINE	48	7,676	0.0	39	74	0.4	69	5
MONTANA	49	6,877	0.0	44	44	0.2	38	6
VERMONT	50	5,940	0.0	42	49	0.3	48	1
GUAM	51	412	0.0	47	26	0.1	12	14
NAVAJO NATION	52	190	0.0	51	7	0.0	7	0
DISTRICT OF COLUMBIA	53	30	0.0	53	1	0.0	1	0
SOUTH DAKOTA	54	0	0.0	54	0	0.0	0	0
VIRGIN ISLANDS	54	0	0.0	54	0	0.0	0	0
WISCONSIN	54	0	0.0	54	0	0.0	0	0
<b>Total</b>		<b>310,205,368</b>	<b>100.0</b>		<b>18,510</b>	<b>100.0</b>	<b>17,565</b>	<b>945</b>

**Note:** Columns may not sum due to rounding.

**Reporting requirement changes for the 2001 National Biennial will make cursory comparisons of the 2001 National Biennial Report to National Biennial Reports prior to 2001 misleading. Refer to the introduction for a complete explanation.**

# Preliminary National Biennial RCRA Hazardous Waste Report: Based on 2001 Data

**Exhibit 1.3** Rank Ordering of States Based on Number of Hazardous Waste Generators and Quantity of RCRA Hazardous Waste Generated, 2001

State	Number of Generators			Hazardous Waste Quantity			Reported Status	
	Rank	Number	Percentage	Rank	Tons Generated	Percentage	LQG	Non-LQG
CALIFORNIA	1	2,555	13.8	1	7,326,331	2.4	2,531	24
NEW YORK	2	2,000	10.8	2	67,336,767	21.7	1,996	4
OHIO	3	1,068	5.8	3	1,858,610	0.6	952	116
ILLINOIS	4	956	5.2	4	1,463,426	0.5	955	1
PENNSYLVANIA	5	919	5.0	5	533,725	0.2	849	70
TEXAS	6	896	4.8	6	47,338,968	15.3	891	5
NEW JERSEY	7	855	4.6	7	3,682,051	1.2	854	1
MICHIGAN	8	790	4.3	8	699,151	0.2	596	194
INDIANA	9	626	3.4	9	1,329,214	0.4	492	134
WASHINGTON	10	509	2.7	10	267,782	0.1	509	0
NORTH CAROLINA	11	474	2.6	11	362,242	0.1	444	30
LOUISIANA	12	468	2.5	12	27,919,167	9.0	426	42
MASSACHUSETTS	13	432	2.3	13	3,563,731	1.1	427	5
TENNESSEE	14	398	2.2	14	47,279,621	15.2	395	3
FLORIDA	15	374	2.0	15	2,611,585	0.8	353	21
GEORGIA	16	365	2.0	16	6,503,499	2.1	362	3
CONNECTICUT	17	363	2.0	17	202,082	0.1	359	4
SOUTH CAROLINA	18	319	1.7	18	181,409	0.1	290	29
KENTUCKY	19	318	1.7	19	14,111,682	4.5	318	0
MISSOURI	20	299	1.6	20	1,823,359	0.6	287	12
ALABAMA	21	271	1.5	21	10,596,060	3.4	267	4
VIRGINIA	22	268	1.4	22	707,762	0.2	267	1
NEW HAMPSHIRE	23	232	1.3	23	12,290	0.0	167	65
KANSAS	24	226	1.2	24	2,487,322	0.8	208	18
OREGON	25	210	1.1	25	286,571	0.1	210	0
ARKANSAS	26	203	1.1	26	3,168,462	1.0	185	18
ARIZONA	27	196	1.1	27	302,181	0.1	193	3
MINNESOTA	28	185	1.0	28	877,231	0.3	183	2
IOWA	29	175	0.9	29	1,647,773	0.5	159	16
OKLAHOMA	30	170	0.9	30	2,530,310	0.8	136	34
MISSISSIPPI	31	162	0.9	31	5,826,307	1.9	157	5
COLORADO	32	145	0.8	32	89,467	0.0	137	8
WEST VIRGINIA	33	132	0.7	33	10,646,624	3.4	132	0
RHODE ISLAND	34	123	0.7	34	90,990	0.0	120	3
PUERTO RICO	35	85	0.5	35	1,359,154	0.4	85	0
UTAH	35	85	0.5	35	89,391	0.0	82	3
NEBRASKA	37	84	0.5	37	5,066,575	1.6	81	3
NEVADA	38	81	0.4	38	281,808	0.1	80	1
MAINE	39	74	0.4	39	7,676	0.0	69	5
DELAWARE	40	59	0.3	40	359,655	0.1	58	1
ALASKA	41	51	0.3	41	571,215	0.2	49	2
VERMONT	42	49	0.3	42	5,940	0.0	48	1
IDAHO	43	48	0.3	43	219,450	0.1	31	17
MONTANA	44	44	0.2	44	6,877	0.0	38	6
NEW MEXICO	45	42	0.2	45	4,399,311	1.4	38	4
HAWAII	46	36	0.2	46	465,383	0.2	31	5
GUAM	47	26	0.1	47	412	0.0	12	14
WYOMING	47	26	0.1	47	21,107,909	6.8	21	5
MARYLAND	49	14	0.1	49	17,597	0.0	14	0
NORTH DAKOTA	50	13	0.1	50	574,044	0.2	11	2
NAVAJO NATION	51	7	0.0	51	190	0.0	7	0
TRUST TERRITORIES	52	3	0.0	52	8,999	0.0	2	1
DISTRICT OF COLUMBIA	53	1	0.0	53	30	0.0	1	0
SOUTH DAKOTA	54	0	0.0	54	0	0.0	0	0
VIRGIN ISLANDS	54	0	0.0	54	0	0.0	0	0
WISCONSIN	54	0	0.0	54	0	0.0	0	0
<b>Total</b>		<b>18,510</b>	<b>100.0</b>		<b>310,205,368</b>	<b>100.0</b>	<b>17,565</b>	<b>945</b>

**Note:** Columns may not sum due to rounding.

**Reporting requirement changes for the 2001 National Biennial will make cursory comparisons of the 2001 National Biennial Report to National Biennial Reports prior to 2001 misleading. Refer to the introduction for a complete explanation.**

# Preliminary National Biennial RCRA Hazardous Waste Report: Based on 2001 Data

**Exhibit 1.4** Fifty Largest RCRA Hazardous Waste Generators in the U.S., 2001

Rank	EPA ID	Name	City	Tons Generated
1	TND003376928	EASTMAN CHEMICAL COMPANY, TENNESSEE OPE	KINGSPORT, TN	44,116,248
2	NYD980592497	EASTMAN KODAK CO - KODAK PARK	ROCHESTER, NY	40,563,564
3	WYD007064447	FORMER CASPER REFINERY	CASPER, WY	17,808,533
4	NYD002080034	GE SILICONES, LLC	WATERFORD, NY	14,530,065
5	LAD008187080	THE DOW CHEMICAL COMPANY	PLAQUEMINE, LA	12,881,722
6	WVD004325353	CROMPTON CORPORATION	FRIENDLY, WV	8,686,471
7	TXD001700806	SOLUTIA INC	ALVIN, TX	8,029,182
8	ALD982142960	DANNY ISBELL INC	PELL CITY, AL	7,768,003
9	LAD065485146	MOTIVA ENTERPRISES LLC, CONVENT REFINERY	UNION, LA	7,162,188
10	TXD008092793	THE DOW CHEMICAL COMPANY	FREEPORT, TX	6,700,100
11	NED986375327	VOPAK USA INC	OMAHA, NE	5,000,004
12	TXD082688979	SHELL OIL PRODUCTS EAST LYONDELL	HOUSTON, TX	4,168,430
13	GAD051011609	DSM CHEMICALS NORTH AMERICA, INC.	AUGUSTA, GA	3,717,700
14	MSD054179403	CHEVRON PRODUCTS COMPANY	PASCAGOULA, MS	3,673,291
15	NMD000609339	INTEL CORPORATION	RIO RANCHO, NM	3,125,776
16	TXD008091290	CROWN CENTRAL PETROLEUM CORPORATION	PASADENA, TX	3,093,037
17	KYD006372197	ATKEMIX TEN INC	LOUISVILLE, KY	3,050,213
18	CAD009164021	MARTINEZ REFINING COMPANY	MARTINEZ, CA	3,026,038
19	KYD041376138	CATLETTSBURG REFINING, LLC	CATLETTSBURG, KY	2,906,596
20	TXD055141378	SAFETY KLEEN SYSTEMS INC	DEER PARK, TX	2,507,857
21	NYD000824482	OCCIDENTAL CHEMICAL CORPORATION	NIAGARA FALLS, NY	2,487,715
22	TXD054256391	CHEVRON USA INC	EL PASO, TX	2,413,579
23	LAD003913316	OCCIDENTAL CHEMICAL CORP.-TAFT PLANT	HAHNVILLE, LA	2,272,185
24	FLD071951966	SOLUTIA INC	GONZALEZ, FL	2,206,347
25	TXD990757486	AIR PRODUCTS LP PASAENA PLANT	PASADENA, TX	2,196,154
26	TXD000017756	THE DOW CHEMICAL COMPANY	LA PORTE, TX	2,176,146
27	KSD007482029	VULCAN MATERIALS CO	WICHITA, KS	2,171,916
28	NJD002385730	DUPONT CHAMBERS WORKS	DEEPWATER, NJ	2,107,139
29	MAD041172719	MATALOT TECHNOLOGIES USA	ATTLEBORO, MA	2,103,200
30	TXD008080533	BP PRODUCTS NORTH AMERICA INC	TEXAS CITY, TX	2,039,862
31	KYD985072008	WESTLAKE VINYL INC	CALVERT CITY, KY	1,965,685
32	LAD008213191	RUBICON INC	GEISMAR, LA	1,856,432
33	CAD008354052	EXXONMOBIL OIL CORP TORRANCE REFINERY	TORRANCE, CA	1,836,118
34	NYD054065909	LEDERLE LABORATORIES	PEARL RIVER, NY	1,691,704
35	WYD079959185	SINCLAIR OIL CORPORATION	SINCLAIR, WY	1,642,648
36	WYD009077496	FMC CORPORATION	GREEN RIVER, WY	1,620,032
37	OK1571724391	US TINKER AIR FORCE BASE	TINKER AFB, OK	1,472,075
38	LAD008175390	CYTEC INDUSTRIES INC.	WAGGAMAN, LA	1,444,351
39	NYD002233039	INTERNATIONAL BUSINESS MACHINES	ENDICOTT, NY	1,436,210
40	KYD006370167	GOODRICH CORPORATION	CALVERT CITY, KY	1,414,834
41	TXD008099079	RHODIA INC	HOUSTON, TX	1,327,856
42	IAD096524087	LEINER DAVIS GELATIN CORP	DAVENPORT, IA	1,288,292
43	MSD096046792	E.I. DUPONT DE NEMOURS AND CO	PASS CHRISTIAN, MS	1,287,978
44	TXD059685339	DIAMOND SHAMROCK REFINING AND MARKETIN	SUNRAY, TX	1,257,357
45	KYD042943985	DOW CORNING CORPORATION	CARROLLTON, KY	1,231,806
46	LAD040776809	BASF CORPORATION	GEISMAR, LA	1,224,194
47	GAD040690737	OLIN CORPORATION	AUGUSTA, GA	1,093,791
48	NJD980753875	AUSIMONT USA, INC.	THOROFARE, NJ	1,088,499
49	TXD000751172	BP CHEMICALS INC	PORT LAVACA, TX	1,058,648
50	KYD006370159	ATOFINA CHEMICALS, INC.	CALVERT CITY, KY	1,000,927
<b>Total</b>				<b>252,928,700</b>

**Note:** Column may not sum due to rounding.

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# Preliminary National Biennial RCRA Hazardous Waste Report: Based on 2001 Data

**Exhibit 1.5** Tons of Generated Waste That Were Only Characteristic Waste, Only Listed Waste, or Both Characteristic and Listed Waste, 2001

Only Characteristic Wastes		Only Listed Wastes		Both a Characteristic and a Listed Waste	
ONLY IGNITABLE	1,121,780	ONLY AN F CODE	13,559,509		
ONLY CORROSIVE	47,213,729	ONLY A K CODE	9,118,683		
ONLY REACTIVE	373,287	ONLY A P CODE	44,135,135		
ONLY D004-17	18,909,145	ONLY A U CODE	923,374		
ONLY D018-43	62,099,542				
HAS MORE THAN ONE CHARACTERISTIC CODE	27,635,365	HAS MORE THAN ONE LISTED CODE	42,373,218		
<b>TOTAL</b>	<b>157,352,849</b>	<b>TOTAL</b>	<b>110,109,920</b>	<b>Both Characteristic and Listed</b>	<b>42,031,940</b>

**Note:** All quantities are in tons.

**Exhibit 1.6** Tons of Generated Waste with Multiple Characteristics, That Were Multiply Listed, or Both, 2001

Only Characteristic Wastes But With Multiple Characteristics		Only Listed Wastes But Multiply Listed		Both Characteristic and Listed Wastes <sup>1</sup>	
HAS IGNITABLE CODE	5,253,522			IGNITABLE CODE W/ AT LEAST ONE LISTED CODE	7,322,149
HAS CORROSIVE CODE	21,073,015			CORROSIVE CODE W/ AT LEAST ONE LISTED CODE	23,911,512
HAS REACTIVE CODE	3,423,918			REACTIVE CODE W/ AT LEAST ONE LISTED CODE	3,599,509
HAS D004-17 CODE	12,719,611			D004-17 CODE W/ AT LEAST ONE LISTED CODE	9,801,667
HAS D018-43 CODE	14,767,046			D018-43 CODE W/ AT LEAST ONE LISTED CODE	20,354,559
		HAS F CODE	40,346,133	F WASTE W/ AT LEAST ONE CHARACTERISTIC CODE	29,119,097
		HAS K CODE	6,164,232	K WASTE W/ AT LEAST ONE CHARACTERISTIC CODE	10,391,514
		HAS P CODE	36,252,086	P WASTE W/ AT LEAST ONE CHARACTERISTIC CODE	5,048,576
		HAS U CODE	41,365,708	U WASTE W/ AT LEAST ONE CHARACTERISTIC CODE	14,946,124
<b>TOTAL</b>	<b>27,635,365</b>	<b>TOTAL</b>	<b>42,373,218</b>	<b>TOTAL</b>	<b>42,031,940</b>

<sup>1</sup> Listed wastes with ignitable, corrosive, reactive, D004-17 (Toxic), or D018-43 (Toxic) characteristics respectively may have other characteristics as well. Similarly, characteristic wastes that are also F, K, P, or U listed wastes respectively may be other listed wastes as well.

**Note:** All quantities are in tons.  
Columns do not sum to total because wastes may be included in more than one category.

**Reporting requirement changes for the 2001 National Biennial will make cursory comparisons of the 2001 National Biennial Report to National Biennial Reports prior to 2001 misleading. Refer to the introduction for a complete explanation.**

# Preliminary National Biennial RCRA Hazardous Waste Report: Based on 2001 Data

**Exhibit 1.7** Fifty Largest Quantities of Hazardous Waste Generated, by Primary NAICS Code in the U.S., 2001

Rank	NAICS Code	Description	Tons Generated
1	3259	Other Chemical Product and Preparation Manufacturing	86,763,878
2	3251	Basic Chemical Manufacturing	64,442,785
3	3241	Petroleum and Coal Products Manufacturing	37,623,361
4	3252	Resin, Synthetic Rubber, and Artificial and Synthetic Fibers and Filaments Manufacturing	22,921,718
5	5629	Remediation and Other Waste Management Services	21,029,314
6	4226	Chemical and Allied Products Wholesalers	18,103,772
7	325	Chemical Manufacturing	8,979,953
8	2359	Other Special Trade Contractors	7,769,788
9	3344	Semiconductor and Other Electronic Component Manufacturing	7,688,669
10	5622	Waste Treatment and Disposal	5,457,082
11	3328	Coating, Engraving, Heat Treating, and Allied Activities	3,140,149
12	3254	Pharmaceutical and Medicine Manufacturing	2,983,846
13	3399	Other Miscellaneous Manufacturing	2,815,745
14	3314	Nonferrous Metal (except Aluminum) Production and Processing	2,739,300
15	2123	Nonmetallic Mineral Mining and Quarrying	1,622,141
16	4881	Support Activities for Air Transportation	1,526,378
17	2211	Electric Power Generation, Transmission and Distribution	1,486,417
18	3311	Iron and Steel Mills and Ferroalloy Manufacturing	1,356,043
19	3359	Other Electrical Equipment and Component Manufacturing	897,763
20	3312	Steel Product Manufacturing from Purchased Steel	722,117
21	3313	Alumina and Aluminum Production and Processing	669,375
22	3329	Other Fabricated Metal Product Manufacturing	607,872
23	4931	Warehousing and Storage	600,168
24	3363	Motor Vehicle Parts Manufacturing	547,416
25	4229	Miscellaneous Nondurable Goods Wholesalers	517,829
26	3253	Pesticide, Fertilizer, and Other Agricultural Chemical Manufacturing	498,504
27	3345	Navigational, Measuring, Electromedical, and Control Instruments Manufacturing	470,527
28	3149	Other Textile Product Mills	399,361
29	3364	Aerospace Product and Parts Manufacturing	392,127
30	3221	Pulp, Paper, and Paperboard Mills	334,369
31	3211	Sawmills and Wood Preservation	332,591
32	3335	Metalworking Machinery Manufacturing	251,035
33	3261	Plastics Product Manufacturing	250,040
34	3325	Hardware Manufacturing	227,183
35	9281	National Security and International Affairs	216,948
36	3341	Computer and Peripheral Equipment Manufacturing	205,492
37	3372	Office Furniture (including Fixtures) Manufacturing	191,038
38	4227	Petroleum and Petroleum Products Wholesalers	175,501
39	3336	Engine, Turbine, and Power Transmission Equipment Manufacturing	169,285
40	3339	Other General Purpose Machinery Manufacturing	161,646
41	3255	Paint, Coating, and Adhesive Manufacturing	160,323
42	5619	Other Support Services	125,248
43	3272	Glass and Glass Product Manufacturing	117,591
44	3321	Forging and Stamping	109,340
45	3346	Manufacturing and Reproducing Magnetic and Optical Media	105,490
46	8111	Automotive Repair and Maintenance	105,193
47	3369	Other Transportation Equipment Manufacturing	97,586
48	5415	Computer Systems Design and Related Services	92,078
49	3231	Printing and Related Support Activities	88,922
50	3362	Motor Vehicle Body and Trailer Manufacturing	77,047
<b>Total</b>			<b>308,367,341</b>

**Note:** Column may not sum due to rounding.

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# Preliminary National Biennial RCRA Hazardous Waste Report: Based on 2001 Data

**Exhibit 2.1** Quantity of RCRA Hazardous Waste Managed and Number of RCRA Management Facilities, by State, 2001

State	Hazardous Waste Quantity			Number of Facilities			Reported Status	
	Rank	Tons Managed	Percentage	Rank	Number	Percentage	TSDF	Non-TSDF
ALABAMA	18	2,484,414	0.9	14	58	2.2	16	42
ALASKA	32	567,041	0.2	41	9	0.3	5	4
ARIZONA	36	317,795	0.1	20	46	1.7	11	35
ARKANSAS	16	3,102,815	1.1	18	50	1.9	14	36
CALIFORNIA	8	8,452,833	3.0	3	277	10.5	68	209
COLORADO	26	1,214,766	0.4	26	25	0.9	5	20
CONNECTICUT	40	175,112	0.1	26	25	0.9	9	16
DELAWARE	34	365,288	0.1	40	10	0.4	1	9
DISTRICT OF COLUMBIA	51	0	0.0	49	1	0.0	0	1
FLORIDA	15	3,304,595	1.2	13	63	2.4	17	46
GEORGIA	9	7,101,925	2.6	10	73	2.8	24	49
GUAM	50	94	0.0	49	1	0.0	1	0
HAWAII	33	464,799	0.2	42	8	0.3	2	6
IDAHO	37	304,768	0.1	45	5	0.2	4	1
ILLINOIS	23	1,357,517	0.5	12	64	2.4	28	36
INDIANA	25	1,293,320	0.5	18	50	1.9	23	27
IOWA	21	1,639,511	0.6	25	29	1.1	6	23
KANSAS	13	3,528,464	1.3	22	42	1.6	13	29
KENTUCKY	6	14,005,632	5.0	6	96	3.6	20	76
LOUISIANA	4	28,088,585	10.1	15	57	2.2	30	27
MAINE	47	3,056	0.0	34	17	0.6	3	14
MARYLAND	45	62,039	0.0	43	6	0.2	2	4
MASSACHUSETTS	12	3,695,108	1.3	8	76	2.9	13	63
MICHIGAN	28	842,815	0.3	26	25	0.9	18	7
MINNESOTA	52	0	0.0	52	0	0.0	0	0
MISSISSIPPI	10	4,894,596	1.8	30	23	0.9	8	15
MISSOURI	20	2,105,390	0.8	17	52	2.0	20	32
MONTANA	41	166,480	0.1	45	5	0.2	0	5
NAVAJO NATION	52	0	0.0	52	0	0.0	0	0
NEBRASKA	30	616,173	0.2	34	17	0.6	6	11
NEVADA	35	332,432	0.1	39	11	0.4	4	7
NEW HAMPSHIRE	52	0	0.0	52	0	0.0	0	0
NEW JERSEY	14	3,489,499	1.3	16	53	2.0	11	42
NEW MEXICO	11	4,393,812	1.6	34	17	0.6	8	9
NEW YORK	1	67,655,211	24.3	1	309	11.7	37	272
NORTH CAROLINA	27	989,004	0.4	9	74	2.8	34	40
NORTH DAKOTA	31	571,472	0.2	43	6	0.2	5	1
OHIO	19	2,150,062	0.8	11	70	2.7	32	38
OKLAHOMA	17	2,602,238	0.9	22	42	1.6	14	28
OREGON	42	107,540	0.0	24	39	1.5	3	36
PENNSYLVANIA	24	1,332,928	0.5	7	89	3.4	35	54
PUERTO RICO	22	1,419,234	0.5	32	22	0.8	9	13
RHODE ISLAND	44	85,479	0.0	34	17	0.6	1	16
SOUTH CAROLINA	38	276,687	0.1	30	23	0.9	13	10
SOUTH DAKOTA	49	229	0.0	49	1	0.0	1	0
TENNESSEE	3	28,985,161	10.4	4	138	5.2	28	110
TEXAS	2	42,627,369	15.3	2	297	11.3	62	235
TRUST TERRITORIES	46	9,030	0.0	48	2	0.1	1	1
UTAH	43	93,123	0.0	26	25	0.9	13	12
VERMONT	48	1,429	0.0	38	13	0.5	3	10
VIRGIN ISLANDS	52	0	0.0	52	0	0.0	0	0
VIRGINIA	29	723,694	0.3	20	46	1.7	12	34
WASHINGTON	39	216,959	0.1	5	111	4.2	12	99
WEST VIRGINIA	7	10,609,975	3.8	33	20	0.8	11	9
WISCONSIN	52	0	0.0	52	0	0.0	0	0
WYOMING	5	19,486,106	7.0	47	4	0.2	1	3
<b>Total</b>		<b>278,313,602</b>	<b>100.0</b>		<b>2,639</b>	<b>100.0</b>	<b>717</b>	<b>1,922</b>

**Note:** Columns may not sum due to rounding.

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# Preliminary National Biennial RCRA Hazardous Waste Report: Based on 2001 Data

**Exhibit 2.2** Rank Ordering of States Based on Quantity of RCRA Hazardous Waste Managed and Number of RCRA Management Facilities, 2001

State	Hazardous Waste Quantity			Number of Facilities			Reported Status	
	Rank	Tons Managed	Percentage	Rank	Number	Percentage	TSDF	Non-TSDF
NEW YORK	1	67,655,211	24.3	1	309	11.7	37	272
TEXAS	2	42,627,369	15.3	2	297	11.3	62	235
TENNESSEE	3	28,985,161	10.4	4	138	5.2	28	110
LOUISIANA	4	28,088,585	10.1	15	57	2.2	30	27
WYOMING	5	19,486,106	7.0	47	4	0.2	1	3
KENTUCKY	6	14,005,632	5.0	6	96	3.6	20	76
WEST VIRGINIA	7	10,609,975	3.8	33	20	0.8	11	9
CALIFORNIA	8	8,452,833	3.0	3	277	10.5	68	209
GEORGIA	9	7,101,925	2.6	10	73	2.8	24	49
MISSISSIPPI	10	4,894,596	1.8	30	23	0.9	8	15
NEW MEXICO	11	4,393,812	1.6	34	17	0.6	8	9
MASSACHUSETTS	12	3,695,108	1.3	8	76	2.9	13	63
KANSAS	13	3,528,464	1.3	22	42	1.6	13	29
NEW JERSEY	14	3,489,499	1.3	16	53	2.0	11	42
FLORIDA	15	3,304,595	1.2	13	63	2.4	17	46
ARKANSAS	16	3,102,815	1.1	18	50	1.9	14	36
OKLAHOMA	17	2,602,238	0.9	22	42	1.6	14	28
ALABAMA	18	2,484,414	0.9	14	58	2.2	16	42
OHIO	19	2,150,062	0.8	11	70	2.7	32	38
MISSOURI	20	2,105,390	0.8	17	52	2.0	20	32
IOWA	21	1,639,511	0.6	25	29	1.1	6	23
PUERTO RICO	22	1,419,234	0.5	32	22	0.8	9	13
ILLINOIS	23	1,357,517	0.5	12	64	2.4	28	36
PENNSYLVANIA	24	1,332,928	0.5	7	89	3.4	35	54
INDIANA	25	1,293,320	0.5	18	50	1.9	23	27
COLORADO	26	1,214,766	0.4	26	25	0.9	5	20
NORTH CAROLINA	27	989,004	0.4	9	74	2.8	34	40
MICHIGAN	28	842,815	0.3	26	25	0.9	18	7
VIRGINIA	29	723,694	0.3	20	46	1.7	12	34
NEBRASKA	30	616,173	0.2	34	17	0.6	6	11
NORTH DAKOTA	31	571,472	0.2	43	6	0.2	5	1
ALASKA	32	567,041	0.2	41	9	0.3	5	4
HAWAII	33	464,799	0.2	42	8	0.3	2	6
DELAWARE	34	365,288	0.1	40	10	0.4	1	9
NEVADA	35	332,432	0.1	39	11	0.4	4	7
ARIZONA	36	317,795	0.1	20	46	1.7	11	35
IDAHO	37	304,768	0.1	45	5	0.2	4	1
SOUTH CAROLINA	38	276,687	0.1	30	23	0.9	13	10
WASHINGTON	39	216,959	0.1	5	111	4.2	12	99
CONNECTICUT	40	175,112	0.1	26	25	0.9	9	16
MONTANA	41	166,480	0.1	45	5	0.2	0	5
OREGON	42	107,540	0.0	24	39	1.5	3	36
UTAH	43	93,123	0.0	26	25	0.9	13	12
RHODE ISLAND	44	85,479	0.0	34	17	0.6	1	16
MARYLAND	45	62,039	0.0	43	6	0.2	2	4
TRUST TERRITORIES	46	9,030	0.0	48	2	0.1	1	1
MAINE	47	3,056	0.0	34	17	0.6	3	14
VERMONT	48	1,429	0.0	38	13	0.5	3	10
SOUTH DAKOTA	49	229	0.0	49	1	0.0	1	0
GUAM	50	94	0.0	49	1	0.0	1	0
DISTRICT OF COLUMBIA	51	0	0.0	49	1	0.0	0	1
MINNESOTA	52	0	0.0	52	0	0.0	0	0
NAVAJO NATION	52	0	0.0	52	0	0.0	0	0
NEW HAMPSHIRE	52	0	0.0	52	0	0.0	0	0
VIRGIN ISLANDS	52	0	0.0	52	0	0.0	0	0
WISCONSIN	52	0	0.0	52	0	0.0	0	0
<b>Total</b>		<b>278,313,602</b>	<b>100.0</b>		<b>2,639</b>	<b>100.0</b>	<b>717</b>	<b>1,922</b>

**Note:** Columns may not sum due to rounding.

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# Preliminary National Biennial RCRA Hazardous Waste Report: Based on 2001 Data

**Exhibit 2.3** Rank Ordering of States Based on Number of RCRA Management Facilities and Quantity of RCRA Hazardous Waste Managed, 2001

State	Number of Facilities			Hazardous Waste Quantity			Reported Status	
	Rank	Number	Percentage	Rank	Tons Managed	Percentage	TSDf	Non-TSDf
NEW YORK	1	309	11.7	1	67,655,211	24.3	37	272
TEXAS	2	297	11.3	2	42,627,369	15.3	62	235
CALIFORNIA	3	277	10.5	8	8,452,833	3.0	68	209
TENNESSEE	4	138	5.2	3	28,985,161	10.4	28	110
WASHINGTON	5	111	4.2	39	216,959	0.1	12	99
KENTUCKY	6	96	3.6	6	14,005,632	5.0	20	76
PENNSYLVANIA	7	89	3.4	24	1,332,928	0.5	35	54
MASSACHUSETTS	8	76	2.9	12	3,695,108	1.3	13	63
NORTH CAROLINA	9	74	2.8	27	989,004	0.4	34	40
GEORGIA	10	73	2.8	9	7,101,925	2.6	24	49
OHIO	11	70	2.7	19	2,150,062	0.8	32	38
ILLINOIS	12	64	2.4	23	1,357,517	0.5	28	36
FLORIDA	13	63	2.4	15	3,304,595	1.2	17	46
ALABAMA	14	58	2.2	18	2,484,414	0.9	16	42
LOUISIANA	15	57	2.2	4	28,088,585	10.1	30	27
NEW JERSEY	16	53	2.0	14	3,489,499	1.3	11	42
MISSOURI	17	52	2.0	20	2,105,390	0.8	20	32
ARKANSAS	18	50	1.9	16	3,102,815	1.1	14	36
INDIANA	18	50	1.9	25	1,293,320	0.5	23	27
ARIZONA	20	46	1.7	36	317,795	0.1	11	35
VIRGINIA	20	46	1.7	29	723,694	0.3	12	34
KANSAS	22	42	1.6	13	3,528,464	1.3	13	29
OKLAHOMA	22	42	1.6	17	2,602,238	0.9	14	28
OREGON	24	39	1.5	42	107,540	0.0	3	36
IOWA	25	29	1.1	21	1,639,511	0.6	6	23
COLORADO	26	25	0.9	26	1,214,766	0.4	5	20
CONNECTICUT	26	25	0.9	40	175,112	0.1	9	16
MICHIGAN	26	25	0.9	28	842,815	0.3	18	7
UTAH	26	25	0.9	43	93,123	0.0	13	12
MISSISSIPPI	30	23	0.9	10	4,894,596	1.8	8	15
SOUTH CAROLINA	30	23	0.9	38	276,687	0.1	13	10
PUERTO RICO	32	22	0.8	22	1,419,234	0.5	9	13
WEST VIRGINIA	33	20	0.8	7	10,609,975	3.8	11	9
MAINE	34	17	0.6	47	3,056	0.0	3	14
NEBRASKA	34	17	0.6	30	616,173	0.2	6	11
NEW MEXICO	34	17	0.6	11	4,393,812	1.6	8	9
RHODE ISLAND	34	17	0.6	44	85,479	0.0	1	16
VERMONT	38	13	0.5	48	1,429	0.0	3	10
NEVADA	39	11	0.4	35	332,432	0.1	4	7
DELAWARE	40	10	0.4	34	365,288	0.1	1	9
ALASKA	41	9	0.3	32	567,041	0.2	5	4
HAWAII	42	8	0.3	33	464,799	0.2	2	6
MARYLAND	43	6	0.2	45	62,039	0.0	2	4
NORTH DAKOTA	43	6	0.2	31	571,472	0.2	5	1
IDAHO	45	5	0.2	37	304,768	0.1	4	1
MONTANA	45	5	0.2	41	166,480	0.1	0	5
WYOMING	47	4	0.2	5	19,486,106	7.0	1	3
TRUST TERRITORIES	48	2	0.1	46	9,030	0.0	1	1
DISTRICT OF COLUMBIA	49	1	0.0	51	0	0.0	0	1
GUAM	49	1	0.0	50	94	0.0	1	0
SOUTH DAKOTA	49	1	0.0	49	229	0.0	1	0
MINNESOTA	52	0	0.0	52	0	0.0	0	0
NAVAJO NATION	52	0	0.0	52	0	0.0	0	0
NEW HAMPSHIRE	52	0	0.0	52	0	0.0	0	0
VIRGIN ISLANDS	52	0	0.0	52	0	0.0	0	0
WISCONSIN	52	0	0.0	52	0	0.0	0	0
<b>Total</b>		<b>2,639</b>	<b>100.0</b>		<b>278,313,602</b>	<b>100.0</b>	<b>717</b>	<b>1,922</b>

**Note:** Columns may not sum due to rounding.

**Reporting requirement changes for the 2001 National Biennial will make cursory comparisons of the 2001 National Biennial Report to National Biennial Reports prior to 2001 misleading. Refer to the introduction for a complete explanation.**

# Preliminary National Biennial RCRA Hazardous Waste Report: Based on 2001 Data

**Exhibit 2.4** Fifty Largest RCRA Hazardous Waste Managers in the U.S., 2001

Rank	EPA ID	Name	City	Tons Managed
1	NYD980592497	EASTMAN KODAK CO - KODAK PARK	ROCHESTER, NY	40,807,410
2	TND003376928	EASTMAN CHEMICAL COMPANY, TENNESSEE OPE	KINGSPORT, TN	25,398,681
3	WYD007064447	FORMER CASPER REFINERY	CASPER, WY	17,808,533
4	NYD002080034	GE SILICONES, LLC	WATERFORD, NY	14,501,363
5	LAD008187080	THE DOW CHEMICAL COMPANY	PLAQUEMINE, LA	12,884,672
6	WVD004325353	CROMPTON CORPORATION	FRIENDLY, WV	8,682,536
7	TXD001700806	SOLUTIA INC	ALVIN, TX	8,028,676
8	TXD008092793	THE DOW CHEMICAL COMPANY	FREEPORT, TX	7,454,581
9	LAD065485146	MOTIVA ENTERPRISES LLC, CONVENT REFINERY	UNION, LA	7,156,070
10	GAD051011609	DSM CHEMICALS NORTH AMERICA, INC.	AUGUSTA, GA	3,717,251
11	MSD054179403	CHEVRON PRODUCTS COMPANY	PASCAGOULA, MS	3,672,131
12	NMD000609339	INTEL CORPORATION	RIO RANCHO, NM	3,125,119
13	TXD008091290	CROWN CENTRAL PETROLEUM CORPORATION	PASADENA, TX	3,092,770
14	KYD006372197	ATKEMIX TEN INC	LOUISVILLE, KY	3,050,000
15	CAD009164021	MARTINEZ REFINING COMPANY	MARTINEZ, CA	3,025,039
16	KYD041376138	CATLETTSBURG REFINING, LLC	CATLETTSBURG, KY	2,902,623
17	TXD008079527	STERLING CHEMICALS	TEXAS CITY, TX	2,642,477
18	TXD055141378	SAFETY KLEEN SYSTEMS INC	DEER PARK, TX	2,598,735
19	NYD000824482	OCCIDENTAL CHEMICAL CORPORATION	NIAGARA FALLS, NY	2,486,084
20	TXD054256391	CHEVRON USA INC	EL PASO, TX	2,412,543
21	CAD008252405	PACIFIC RESOURCE RECOVERY SERVICES	LOS ANGELES, CA	2,333,717
22	KSD007482029	VULCAN MATERIALS CO	WICHITA, KS	2,318,494
23	LAD003913316	OCCIDENTAL CHEMICAL CORP.-TAFT PLANT	HAHNVILLE, LA	2,271,937
24	FLD071951966	SOLUTIA INC	GONZALEZ, FL	2,206,100
25	NJD002385730	DUPONT CHAMBERS WORKS	DEEPWATER, NJ	2,196,473
26	TXD000017756	THE DOW CHEMICAL COMPANY	LA PORTE, TX	2,194,449
27	MAD041172719	MATALOT TECHNOLOGIES USA	ATTLEBORO, MA	2,103,172
28	TXD008080533	BP PRODUCTS NORTH AMERICA INC	TEXAS CITY, TX	2,035,360
29	KYD985072008	WESTLAKE VINYLs INC	CALVERT CITY, KY	1,987,138
30	LAD008213191	RUBICON INC	GEISMAR, LA	1,855,709
31	NYD054065909	LEDERLE LABORATORIES	PEARL RIVER, NY	1,689,264
32	WYD079959185	SINCLAIR OIL CORPORATION	SINCLAIR, WY	1,641,899
33	OK1571724391	US TINKER AIR FORCE BASE	TINKER AFB, OK	1,467,594
34	LAD008175390	CYTEC INDUSTRIES INC.	WAGGAMAN, LA	1,443,259
35	NYD002233039	INTERNATIONAL BUSINESS MACHINES	ENDICOTT, NY	1,417,941
36	KYD006370167	GOODRICH CORPORATION	CALVERT CITY, KY	1,407,845
37	TXD008099079	RHODIA INC	HOUSTON, TX	1,348,266
38	IAD096524087	LEINER DAVIS GELATIN CORP	DAVENPORT, IA	1,288,292
39	TXD059685339	DIAMOND SHAMROCK REFINING AND MARKETIN	SUNRAY, TX	1,256,119
40	KYD042943985	DOW CORNING CORPORATION	CARROLLTON, KY	1,230,550
41	LAD040776809	BASF CORPORATION	GEISMAR, LA	1,215,228
42	KSD007249980	ATOFINA CHEMICALS INC	WICHITA, KS	1,115,600
43	NJD980753875	AUSIMONT USA, INC.	THOROFARE, NJ	1,088,395
44	TXD000751172	BP CHEMICALS INC	PORT LAVACA, TX	1,057,875
45	CO8213820725	PUEBLO CHEMICAL DEPOT	PUEBLO, CO	1,057,071
46	KYD006370159	ATOFINA CHEMICALS, INC.	CALVERT CITY, KY	999,548
47	GAD040690737	OLIN CORPORATION	AUGUSTA, GA	997,213
48	NMD048918817	NAVAJO REFINING COMPANY	ARTESIA, NM	991,823
49	TXD007330202	EASTMAN CHEMICAL COMPANY	LONGVIEW, TX	966,284
50	TXD083472266	LYONDELL CHEMICAL COMPANY	CHANNELVIEW, TX	964,839
<b>Total</b>				<b>221,594,746</b>

**Note:** Columns may not sum due to rounding.

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## Preliminary National Biennial RCRA Hazardous Waste Report: Based on 2001 Data

**Exhibit 2.5** Quantity of RCRA Hazardous Waste Managed, by Management Method, 2001

Management Method	Tons Managed	Percentage of Quantity	Number of Facilities <sup>1</sup>	Percentage of Facilities <sup>1</sup>
DESTRUCTION OR TREATMENT PRIOR TO DISPOSAL AT ANOTHER SITE	160,150,662	57.5	1,333	50.5
DISPOSAL	106,809,191	38.4	441	16.7
RECLAMATION AND RECOVERY	7,587,315	2.7	936	35.5
STORAGE AND/OR TRANSFER	3,766,435	1.4	619	23.5
<b>Total</b>	<b>278,313,602</b>	<b>100.0</b>	<b>2639</b>	

**Exhibit 2.6** Management Method, by Quantity of RCRA Hazardous Waste Managed, 2001

Management Method	Tons Managed	Percentage of Quantity	Number of Facilities <sup>1</sup>	Percentage of Facilities <sup>1</sup>
DESTRUCTION OR TREATMENT PRIOR TO DISPOSAL AT ANOTHER SITE	160,150,662	57.5	1,333	50.5
DISPOSAL	106,809,191	38.4	441	16.7
RECLAMATION AND RECOVERY	7,587,315	2.7	936	35.5
STORAGE AND/OR TRANSFER	3,766,435	1.4	619	23.5
<b>Total</b>	<b>278,313,602</b>	<b>100.0</b>	<b>2639</b>	

**Exhibit 2.7** Management Method and Quantity of RCRA Hazardous Waste Managed, by Number of Facilities, 2001

Management Method	Tons Managed	Percentage of Quantity	Number of Facilities <sup>1</sup>	Percentage of Facilities <sup>1</sup>
DESTRUCTION OR TREATMENT PRIOR TO DISPOSAL AT ANOTHER SITE	160,150,662	57.5	1,333	50.5
RECLAMATION AND RECOVERY	7,587,315	2.7	936	35.5
STORAGE AND/OR TRANSFER	3,766,435	1.4	619	23.5
DISPOSAL	106,809,191	38.4	441	16.7
<b>Total</b>	<b>278,313,602</b>	<b>100.0</b>	<b>2639</b>	

<sup>1</sup> Column may not sum because facilities may have multiple handling methods.

**Note:** Columns for these exhibits may not sum due to rounding.

**Reporting requirement changes for the 2001 National Biennial will make cursory comparisons of the 2001 National Biennial Report to National Biennial Reports prior to 2001 misleading. Refer to the introduction for a complete explanation.**

## Preliminary National Biennial RCRA Hazardous Waste Report: Based on 2001 Data

**Exhibit 2.8** Quantity of RCRA Hazardous Waste Managed, by Management Method, Limited to Waste Received from Off-Site, 2001

Management Method	Tons Managed	Percentage of Quantity	Number of Facilities <sup>1</sup>	Percentage of Facilities <sup>1</sup>
DESTRUCTION OR TREATMENT PRIOR TO DISPOSAL AT ANOTHER SITE	2,316,902	22.9	200	35.3
DISPOSAL	2,046,777	20.2	65	11.5
RECLAMATION AND RECOVERY	4,835,690	47.7	225	39.7
STORAGE AND/OR TRANSFER	936,203	9.2	355	62.6
<b>Total</b>	<b>10,135,571</b>	<b>100.0</b>	<b>567</b>	

**Exhibit 2.9** Management Method, by Quantity of RCRA Hazardous Waste Managed, Limited to Waste Received from Off-Site, 2001

Management Method	Tons Managed	Percentage of Quantity	Number of Facilities <sup>1</sup>	Percentage of Facilities <sup>1</sup>
RECLAMATION AND RECOVERY	4,835,690	47.7	225	39.7
DESTRUCTION OR TREATMENT PRIOR TO DISPOSAL AT ANOTHER SITE	2,316,902	22.9	200	35.3
DISPOSAL	2,046,777	20.2	65	11.5
STORAGE AND/OR TRANSFER	936,203	9.2	355	62.6
<b>Total</b>	<b>10,135,571</b>	<b>100.0</b>	<b>567</b>	

**Exhibit 2.10** Management Method and Quantity of RCRA Hazardous Waste Managed, by Number of Facilities, Limited to Waste Received from Off-Site, 2001

Management Method	Tons Managed	Percentage of Quantity	Number of Facilities <sup>1</sup>	Percentage of Facilities <sup>1</sup>
STORAGE AND/OR TRANSFER	936,203	9.2	355	62.6
RECLAMATION AND RECOVERY	4,835,690	47.7	225	39.7
DESTRUCTION OR TREATMENT PRIOR TO DISPOSAL AT ANOTHER SITE	2,316,902	22.9	200	35.3
DISPOSAL	2,046,777	20.2	65	11.5
<b>Total</b>	<b>10,135,571</b>	<b>100.0</b>	<b>567</b>	

<sup>1</sup> Column may not sum because facilities may have multiple handling methods.

**Note:** Columns for these exhibits may not sum due to rounding.

*Reporting requirement changes for the 2001 National Biennial will make cursory comparisons of the 2001 National Biennial Report to National Biennial Reports prior to 2001 misleading. Refer to the introduction for a complete explanation.*

# Preliminary National Biennial RCRA Hazardous Waste Report: Based on 2001 Data

**Exhibit 3.1** Quantity of RCRA Hazardous Waste Shipped and Number of Hazardous Waste Shippers, by State, 2001

State	Hazardous Waste Quantity			Number of Shippers			Reported Status	
	Rank	Tons Shipped	Percentage	Rank	Number	Percentage	LQG	Non-LQG
ALABAMA	3	8,440,076	12.5	22	264	1.5	260	4
ALASKA	45	4,191	0.0	40	49	0.3	47	2
ARIZONA	27	59,332	0.1	27	193	1.1	190	3
ARKANSAS	4	1,301,933	1.9	26	199	1.1	183	16
CALIFORNIA	6	735,111	1.1	1	2,541	14.0	2,517	24
COLORADO	1	40,345,248	59.6	31	144	0.8	136	8
CONNECTICUT	22	92,467	0.1	17	362	2.0	358	4
DELAWARE	35	16,860	0.0	39	59	0.3	58	1
DISTRICT OF COLUMBIA	52	30	0.0	52	1	0.0	1	0
FLORIDA	28	58,618	0.1	15	373	2.1	352	21
GEORGIA	17	110,654	0.2	16	363	2.0	360	3
GUAM	49	437	0.0	47	24	0.1	11	13
HAWAII	48	791	0.0	45	35	0.2	30	5
IDAHO	42	5,491	0.0	42	48	0.3	31	17
ILLINOIS	10	370,783	0.5	4	950	5.3	949	1
INDIANA	8	576,846	0.9	9	621	3.4	488	133
IOWA	24	83,444	0.1	28	172	1.0	156	16
KANSAS	16	136,011	0.2	24	223	1.2	207	16
KENTUCKY	13	205,175	0.3	19	314	1.7	314	0
LOUISIANA	14	178,593	0.3	12	466	2.6	425	41
MAINE	43	5,405	0.0	38	74	0.4	69	5
MARYLAND	37	10,563	0.0	48	13	0.1	13	0
MASSACHUSETTS	18	109,386	0.2	13	429	2.4	424	5
MICHIGAN	5	750,025	1.1	8	789	4.4	595	194
MINNESOTA	53	0	0.0	53	0	0.0	0	0
MISSISSIPPI	33	36,471	0.1	30	158	0.9	154	4
MISSOURI	25	78,776	0.1	20	294	1.6	282	12
MONTANA	41	6,464	0.0	43	44	0.2	38	6
NAVAJO NATION	51	186	0.0	50	7	0.0	7	0
NEBRASKA	34	26,149	0.0	36	80	0.4	77	3
NEVADA	40	6,618	0.0	36	80	0.4	79	1
NEW HAMPSHIRE	36	12,290	0.0	23	232	1.3	167	65
NEW JERSEY	11	329,846	0.5	7	851	4.7	850	1
NEW MEXICO	39	7,524	0.0	44	40	0.2	36	4
NEW YORK	9	374,555	0.6	2	1,894	10.5	1,888	6
NORTH CAROLINA	19	101,101	0.1	11	468	2.6	440	28
NORTH DAKOTA	46	2,955	0.0	49	12	0.1	10	2
OHIO	7	671,772	1.0	3	1,063	5.9	947	116
OKLAHOMA	32	37,940	0.1	29	169	0.9	135	34
OREGON	30	52,441	0.1	25	208	1.1	208	0
PENNSYLVANIA	12	316,311	0.5	5	916	5.1	846	70
PUERTO RICO	20	98,146	0.1	34	83	0.5	83	0
RHODE ISLAND	38	7,568	0.0	33	123	0.7	120	3
SOUTH CAROLINA	15	155,578	0.2	18	322	1.8	291	31
SOUTH DAKOTA	53	0	0.0	53	0	0.0	0	0
TENNESSEE	29	56,575	0.1	14	386	2.1	384	2
TEXAS	2	11,448,932	16.9	6	892	4.9	887	5
TRUST TERRITORIES	50	418	0.0	51	3	0.0	2	1
UTAH	23	91,829	0.1	35	82	0.5	80	2
VERMONT	44	4,754	0.0	40	49	0.3	48	1
VIRGIN ISLANDS	53	0	0.0	53	0	0.0	0	0
VIRGINIA	26	77,380	0.1	21	267	1.5	266	1
WASHINGTON	21	97,694	0.1	10	506	2.8	506	0
WEST VIRGINIA	31	45,345	0.1	32	130	0.7	130	0
WISCONSIN	53	0	0.0	53	0	0.0	0	0
WYOMING	47	1,749	0.0	46	25	0.1	20	5
<b>Total</b>		<b>67,744,832</b>	<b>100.0</b>		<b>18,090</b>	<b>100.0</b>	<b>17,155</b>	<b>935</b>

**Note:** Columns may not sum due to rounding.

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## Preliminary National Biennial RCRA Hazardous Waste Report: Based on 2001 Data

**Exhibit 3.2** Rank Ordering of States Based on Quantity of RCRA Hazardous Waste Shipped and Number of Hazardous Waste Shippers, 2001

State	Hazardous Waste Quantity			Number of Shippers			Reported Status	
	Rank	Tons Shipped	Percentage	Rank	Number	Percentage	LQG	Non-LQG
COLORADO	1	40,345,248	59.6	31	144	0.8	136	8
TEXAS	2	11,448,932	16.9	6	892	4.9	887	5
ALABAMA	3	8,440,076	12.5	22	264	1.5	260	4
ARKANSAS	4	1,301,933	1.9	26	199	1.1	183	16
MICHIGAN	5	750,025	1.1	8	789	4.4	595	194
CALIFORNIA	6	735,111	1.1	1	2,541	14.0	2,517	24
OHIO	7	671,772	1.0	3	1,063	5.9	947	116
INDIANA	8	576,846	0.9	9	621	3.4	488	133
NEW YORK	9	374,555	0.6	2	1,894	10.5	1,888	6
ILLINOIS	10	370,783	0.5	4	950	5.3	949	1
NEW JERSEY	11	329,846	0.5	7	851	4.7	850	1
PENNSYLVANIA	12	316,311	0.5	5	916	5.1	846	70
KENTUCKY	13	205,175	0.3	19	314	1.7	314	0
LOUISIANA	14	178,593	0.3	12	466	2.6	425	41
SOUTH CAROLINA	15	155,578	0.2	18	322	1.8	291	31
KANSAS	16	136,011	0.2	24	223	1.2	207	16
GEORGIA	17	110,654	0.2	16	363	2.0	360	3
MASSACHUSETTS	18	109,386	0.2	13	429	2.4	424	5
NORTH CAROLINA	19	101,101	0.1	11	468	2.6	440	28
PUERTO RICO	20	98,146	0.1	34	83	0.5	83	0
WASHINGTON	21	97,694	0.1	10	506	2.8	506	0
CONNECTICUT	22	92,467	0.1	17	362	2.0	358	4
UTAH	23	91,829	0.1	35	82	0.5	80	2
IOWA	24	83,444	0.1	28	172	1.0	156	16
MISSOURI	25	78,776	0.1	20	294	1.6	282	12
VIRGINIA	26	77,380	0.1	21	267	1.5	266	1
ARIZONA	27	59,332	0.1	27	193	1.1	190	3
FLORIDA	28	58,618	0.1	15	373	2.1	352	21
TENNESSEE	29	56,575	0.1	14	386	2.1	384	2
OREGON	30	52,441	0.1	25	208	1.1	208	0
WEST VIRGINIA	31	45,345	0.1	32	130	0.7	130	0
OKLAHOMA	32	37,940	0.1	29	169	0.9	135	34
MISSISSIPPI	33	36,471	0.1	30	158	0.9	154	4
NEBRASKA	34	26,149	0.0	36	80	0.4	77	3
DELAWARE	35	16,860	0.0	39	59	0.3	58	1
NEW HAMPSHIRE	36	12,290	0.0	23	232	1.3	167	65
MARYLAND	37	10,563	0.0	48	13	0.1	13	0
RHODE ISLAND	38	7,568	0.0	33	123	0.7	120	3
NEW MEXICO	39	7,524	0.0	44	40	0.2	36	4
NEVADA	40	6,618	0.0	36	80	0.4	79	1
MONTANA	41	6,464	0.0	43	44	0.2	38	6
IDAHO	42	5,491	0.0	42	48	0.3	31	17
MAINE	43	5,405	0.0	38	74	0.4	69	5
VERMONT	44	4,754	0.0	40	49	0.3	48	1
ALASKA	45	4,191	0.0	40	49	0.3	47	2
NORTH DAKOTA	46	2,955	0.0	49	12	0.1	10	2
WYOMING	47	1,749	0.0	46	25	0.1	20	5
HAWAII	48	791	0.0	45	35	0.2	30	5
GUAM	49	437	0.0	47	24	0.1	11	13
TRUST TERRITORIES	50	418	0.0	51	3	0.0	2	1
NAVAJO NATION	51	186	0.0	50	7	0.0	7	0
DISTRICT OF COLUMBIA	52	30	0.0	52	1	0.0	1	0
MINNESOTA	53	0	0.0	53	0	0.0	0	0
SOUTH DAKOTA	53	0	0.0	53	0	0.0	0	0
VIRGIN ISLANDS	53	0	0.0	53	0	0.0	0	0
WISCONSIN	53	0	0.0	53	0	0.0	0	0
<b>Total</b>		<b>67,744,832</b>	<b>100.0</b>		<b>18,090</b>	<b>100.0</b>	<b>17,155</b>	<b>935</b>

**Note:** Columns may not sum due to rounding.

**Reporting requirement changes for the 2001 National Biennial will make cursory comparisons of the 2001 National Biennial Report to National Biennial Reports prior to 2001 misleading. Refer to the introduction for a complete explanation.**

# Preliminary National Biennial RCRA Hazardous Waste Report: Based on 2001 Data

**Exhibit 3.3** Rank Ordering of States Based on Number of Hazardous Waste Shippers and Quantity of RCRA Hazardous Waste Shipped, 2001

State	Number of Shippers			Hazardous Waste Quantity			Reported Status	
	Rank	Number	Percentage	Rank	Tons Shipped	Percentage	LQG	Non-LQG
CALIFORNIA	1	2,541	14.0	6	735,111	1.1	2,517	24
NEW YORK	2	1,894	10.5	9	374,555	0.6	1,888	6
OHIO	3	1,063	5.9	7	671,772	1.0	947	116
ILLINOIS	4	950	5.3	10	370,783	0.5	949	1
PENNSYLVANIA	5	916	5.1	12	316,311	0.5	846	70
TEXAS	6	892	4.9	2	11,448,932	16.9	887	5
NEW JERSEY	7	851	4.7	11	329,846	0.5	850	1
MICHIGAN	8	789	4.4	5	750,025	1.1	595	194
INDIANA	9	621	3.4	8	576,846	0.9	488	133
WASHINGTON	10	506	2.8	21	97,694	0.1	506	0
NORTH CAROLINA	11	468	2.6	19	101,101	0.1	440	28
LOUISIANA	12	466	2.6	14	178,593	0.3	425	41
MASSACHUSETTS	13	429	2.4	18	109,386	0.2	424	5
TENNESSEE	14	386	2.1	29	56,575	0.1	384	2
FLORIDA	15	373	2.1	28	58,618	0.1	352	21
GEORGIA	16	363	2.0	17	110,654	0.2	360	3
CONNECTICUT	17	362	2.0	22	92,467	0.1	358	4
SOUTH CAROLINA	18	322	1.8	15	155,578	0.2	291	31
KENTUCKY	19	314	1.7	13	205,175	0.3	314	0
MISSOURI	20	294	1.6	25	78,776	0.1	282	12
VIRGINIA	21	267	1.5	26	77,380	0.1	266	1
ALABAMA	22	264	1.5	3	8,440,076	12.5	260	4
NEW HAMPSHIRE	23	232	1.3	36	12,290	0.0	167	65
KANSAS	24	223	1.2	16	136,011	0.2	207	16
OREGON	25	208	1.1	30	52,441	0.1	208	0
ARKANSAS	26	199	1.1	4	1,301,933	1.9	183	16
ARIZONA	27	193	1.1	27	59,332	0.1	190	3
IOWA	28	172	1.0	24	83,444	0.1	156	16
OKLAHOMA	29	169	0.9	32	37,940	0.1	135	34
MISSISSIPPI	30	158	0.9	33	36,471	0.1	154	4
COLORADO	31	144	0.8	1	40,345,248	59.6	136	8
WEST VIRGINIA	32	130	0.7	31	45,345	0.1	130	0
RHODE ISLAND	33	123	0.7	38	7,568	0.0	120	3
PUERTO RICO	34	83	0.5	20	98,146	0.1	83	0
UTAH	35	82	0.5	23	91,829	0.1	80	2
NEBRASKA	36	80	0.4	34	26,149	0.0	77	3
NEVADA	36	80	0.4	40	6,618	0.0	79	1
MAINE	38	74	0.4	43	5,405	0.0	69	5
DELAWARE	39	59	0.3	35	16,860	0.0	58	1
ALASKA	40	49	0.3	45	4,191	0.0	47	2
VERMONT	40	49	0.3	44	4,754	0.0	48	1
IDAHO	42	48	0.3	42	5,491	0.0	31	17
MONTANA	43	44	0.2	41	6,464	0.0	38	6
NEW MEXICO	44	40	0.2	39	7,524	0.0	36	4
HAWAII	45	35	0.2	48	791	0.0	30	5
WYOMING	46	25	0.1	47	1,749	0.0	20	5
GUAM	47	24	0.1	49	437	0.0	11	13
MARYLAND	48	13	0.1	37	10,563	0.0	13	0
NORTH DAKOTA	49	12	0.1	46	2,955	0.0	10	2
NAVAJO NATION	50	7	0.0	51	186	0.0	7	0
TRUST TERRITORIES	51	3	0.0	50	418	0.0	2	1
DISTRICT OF COLUMBIA	52	1	0.0	52	30	0.0	1	0
MINNESOTA	53	0	0.0	53	0	0.0	0	0
SOUTH DAKOTA	53	0	0.0	53	0	0.0	0	0
VIRGIN ISLANDS	53	0	0.0	53	0	0.0	0	0
WISCONSIN	53	0	0.0	53	0	0.0	0	0
<b>Total</b>		<b>18,090</b>	<b>100.0</b>		<b>67,744,832</b>	<b>100.0</b>	<b>17,155</b>	<b>935</b>

**Note:** Columns may not sum due to rounding.

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# Preliminary National Biennial RCRA Hazardous Waste Report: Based on 2001 Data

**Exhibit 3.4** Fifty Largest RCRA Hazardous Waste Shippers in the U.S., 2001

Rank	EPA ID	Name	City	Tons Shipped
1	CO0000144436	SANMINA-SCI CORPORATION	COLORADO SPRINGS, CO	40,300,364
2	ALD982142960	DANNY ISBELL INC	PELL CITY, AL	7,768,003
3	TXD082688979	SHELL OIL PRODUCTS EAST LYONDELL	HOUSTON, TX	4,168,417
4	TXD008091290	CROWN CENTRAL PETROLEUM CORPORATION	PASADENA, TX	3,093,036
5	TXD990757486	AIR PRODUCTS LP PASAENA PLANT	PASADENA, TX	1,747,317
6	ARD000021998	LION OIL COMPANY	EL DORADO, AR	1,009,213
7	TXD981911209	OXY VINYLs LP	DEER PARK, TX	855,141
8	ALR000013490	INDUSTRIAL GALVANIZERS BIRMINGHAM	STEELE, AL	324,580
9	CAR000081422	BRITE PLATING CO. INC.	LOS ANGELES, CA	264,641
10	TXD026481523	KINDER MORGAN LIQUIDS TERMINALS LLC	GALENA PARK, TX	201,413
11	MID005043708	ERVIN AMA STEEL INC	ADRIAN, MI	189,885
12	TXR000024836	FIRST CHEMICAL TEXAS LP	BAYTOWN, TX	172,046
13	TXD102684370	ODFJELL TERMINALS BAYTANK INC	SEABROOK, TX	158,196
14	NYD002126852	DELPHI HARRISON THERMAL SYSTEMS	LOCKPORT, NY	138,215
15	OHD005048947	SYSTECH ENVIRONMENTAL CORPORATION	PAULDING, OH	105,966
16	ARD981057870	RINECO CHEMICAL INDUSTRIES, INC	BENTON, AR	102,991
17	TXD073912974	INTERCONTINENTAL TERMINALS COMPANY	DEER PARK, TX	92,107
18	TXD069450278	CELANESE LTD	CORPUS CHRISTI, TX	91,723
19	TXD070137161	KINDER MORGAN LIQUIDS TERMINALS LLC	PASADENA, TX	90,491
20	KSD980633259	SYSTECH ENVIRONMENTAL CORP	FREDONIA, KS	85,443
21	ALD070513767	M & M CHEMICAL & EQUIPMENT CO INC	ATTALLA, AL	84,037
22	IND181157009	NUCOR STEEL	CRAWFORDSVILLE, IN	81,510
23	MID980615298	PETRO CHEM PROCESSING GRP OF NORTRU	DETROIT, MI	80,354
24	ALD094476793	ALLWORTH INC / PSC	BIRMINGHAM, AL	79,579
25	IND093219012	HERITAGE ENVIRONMENTAL SERVICES LLC	INDIANAPOLIS, IN	75,744
26	IND042329631	TIERRA ENV SVCS	EAST CHICAGO, IN	64,085
27	TXD058275769	EQUISTAR CHEMICALS LP	CHANNELVIEW, TX	61,420
28	ARD981908890	NUCOR YAMATO STEEL COMPANY	BLYTHEVILLE, AR	58,618
29	TXD058265067	LYONDELL CHEMICAL COMPANY	PASADENA, TX	57,746
30	INR000001099	STEEL DYNAMICS INC	BUTLER, IN	56,666
31	IND000646943	POLLUTION CONTROL INDUSTRIES INC	EAST CHICAGO, IN	49,973
32	KYD053348108	SAFETY-KLEEN SYSTEMS, INC.	SMITHFIELD, KY	49,245
33	INT190010884	UNION CITY BODY COMPANY LLC	UNION CITY, IN	48,519
34	MAR000009837	AUTO DEALERS EXCHANGE	FRAMINGHAM, MA	47,611
35	MIR000102970	NORTHBANK CENTER UOFM FLINT	FLINT, MI	46,000
36	NJD002454544	MARISOL INCORPORATED	MIDDLESEX, NJ	42,171
37	MID980991566	USL CITY ENVIRONMENTAL INC	DETROIT, MI	41,527
38	ARD983278243	NUCOR STEEL	BLYTHEVILLE, AR	40,629
39	MID000820381	PHARMACIA & UPJOHN	KALAMAZOO, MI	40,227
40	MID006013643	PARKE DAVIS DIV OF WARNER LAMBERT	HOLLAND, MI	39,369
41	SCD036275626	SOUTHEASTERN CHEMICAL & SOLVENT	SUMTER, SC	38,490
42	SCR000002006	NUCOR STEEL BERKELEY COUNTY	HUGER, SC	37,968
43	NYD980536288	DUPONT - NECCO PARK SITE	NIAGARA FALLS, NY	37,570
44	NJD980648497	PORT AUTHORITY NEWARK INTL AIRPORT	NEWARK, NJ	36,130
45	ALD983187873	THE HON COMPANY	FLORENCE, AL	35,207
46	OHD093945293	ONYX ENVIRONMENTAL SERVICES	WEST CARROLLTON, OH	34,388
47	MID006409387	PLASTIC PLATE INC	GRAND RAPIDS, MI	34,062
48	PRD090399718	SAFETY-KLEEN ENVIROSYSTEMS	MANATI, PR	34,017
49	OHR000035162	ALLEGHENY LUDLUM CORPORATION-MASSILLON	MASSILLON, OH	33,927
50	ARD069748192	TERIS LLC (DBA ENSCO)	EL DORADO, AR	32,495
<b>Total</b>				<b>62,458,471</b>

**Note:** Column may not sum due to rounding.

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# Preliminary National Biennial RCRA Hazardous Waste Report: Based on 2001 Data

**Exhibit 3.5** Quantity of RCRA Hazardous Waste Received and Number of Receivers, by State, 2001

State	Hazardous Waste Quantity			Number of Receivers			Reported Status	
	Rank	Tons Received	Percentage	Rank	Number	Percentage	TSDF	Non-TSDF
ALABAMA	16	158,837	1.6	21	9	1.6	7	2
ALASKA	47	6	0.0	42	2	0.4	2	0
ARIZONA	27	50,586	0.5	16	12	2.1	5	7
ARKANSAS	12	264,518	2.6	25	8	1.4	5	3
CALIFORNIA	1	2,607,647	25.7	1	63	11.1	53	10
COLORADO	35	14,151	0.1	19	10	1.8	3	7
CONNECTICUT	26	50,952	0.5	27	7	1.2	7	0
DELAWARE	37	3,264	0.0	44	1	0.2	0	1
DISTRICT OF COLUMBIA	48	0	0.0	48	0	0.0	0	0
FLORIDA	34	14,907	0.1	8	18	3.2	9	9
GEORGIA	33	21,603	0.2	18	11	1.9	11	0
GUAM	46	94	0.0	44	1	0.2	1	0
HAWAII	45	125	0.0	44	1	0.2	1	0
IDAHO	18	88,297	0.9	42	2	0.4	1	1
ILLINOIS	9	354,306	3.5	5	22	3.9	18	4
INDIANA	7	501,258	4.9	8	18	3.2	16	2
IOWA	40	1,004	0.0	32	5	0.9	3	2
KANSAS	14	169,598	1.7	27	7	1.2	7	0
KENTUCKY	17	96,454	1.0	21	9	1.6	7	2
LOUISIANA	10	335,482	3.3	10	17	3.0	13	4
MAINE	41	823	0.0	38	3	0.5	1	2
MARYLAND	25	53,580	0.5	38	3	0.5	1	2
MASSACHUSETTS	31	26,859	0.3	21	9	1.6	4	5
MICHIGAN	6	568,499	5.6	10	17	3.0	17	0
MINNESOTA	48	0	0.0	48	0	0.0	0	0
MISSISSIPPI	23	68,067	0.7	38	3	0.5	2	1
MISSOURI	13	239,629	2.4	7	20	3.5	17	3
MONTANA	48	0	0.0	48	0	0.0	0	0
NAVAJO NATION	48	0	0.0	48	0	0.0	0	0
NEBRASKA	5	580,053	5.7	30	6	1.1	5	1
NEVADA	24	54,678	0.5	32	5	0.9	3	2
NEW HAMPSHIRE	48	0	0.0	48	0	0.0	0	0
NEW JERSEY	15	160,874	1.6	16	12	2.1	6	6
NEW MEXICO	39	1,527	0.0	30	6	1.1	3	3
NEW YORK	4	723,930	7.1	4	29	5.1	21	8
NORTH CAROLINA	32	24,575	0.2	10	17	3.0	13	4
NORTH DAKOTA	42	516	0.0	35	4	0.7	3	1
OHIO	2	885,579	8.7	5	22	3.9	19	3
OKLAHOMA	19	87,779	0.9	19	10	1.8	7	3
OREGON	20	84,036	0.8	38	3	0.5	3	0
PENNSYLVANIA	8	419,515	4.1	3	33	5.8	27	6
PUERTO RICO	29	44,397	0.4	35	4	0.7	3	1
RHODE ISLAND	38	2,090	0.0	35	4	0.7	1	3
SOUTH CAROLINA	11	268,795	2.7	25	8	1.4	8	0
SOUTH DAKOTA	44	229	0.0	44	1	0.2	1	0
TENNESSEE	30	40,586	0.4	15	13	2.3	12	1
TEXAS	3	850,411	8.4	2	62	10.9	62	0
TRUST TERRITORIES	48	0	0.0	48	0	0.0	0	0
UTAH	21	83,285	0.8	21	9	1.6	8	1
VERMONT	43	319	0.0	32	5	0.9	2	3
VIRGIN ISLANDS	48	0	0.0	48	0	0.0	0	0
VIRGINIA	22	75,709	0.7	14	14	2.5	6	8
WASHINGTON	28	47,730	0.5	13	15	2.6	12	3
WEST VIRGINIA	36	8,413	0.1	27	7	1.2	6	1
WISCONSIN	48	0	0.0	48	0	0.0	0	0
WYOMING	48	0	0.0	48	0	0.0	0	0
<b>Total</b>		<b>10,135,571</b>	<b>100.0</b>		<b>567</b>	<b>100.0</b>	<b>442</b>	<b>125</b>

**Note:** Columns may not sum due to rounding.

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## Preliminary National Biennial RCRA Hazardous Waste Report: Based on 2001 Data

**Exhibit 3.6** Rank Ordering of States Based on Quantity of RCRA Hazardous Waste Received and Number of Receivers, 2001

State	Hazardous Waste Quantity			Number of Receivers			Reported Status	
	Rank	Tons Received	Percentage	Rank	Number	Percentage	TSDF	Non-TSDF
CALIFORNIA	1	2,607,647	25.7	1	63	11.1	53	10
OHIO	2	885,579	8.7	5	22	3.9	19	3
TEXAS	3	850,411	8.4	2	62	10.9	62	0
NEW YORK	4	723,930	7.1	4	29	5.1	21	8
NEBRASKA	5	580,053	5.7	30	6	1.1	5	1
MICHIGAN	6	568,499	5.6	10	17	3.0	17	0
INDIANA	7	501,258	4.9	8	18	3.2	16	2
PENNSYLVANIA	8	419,515	4.1	3	33	5.8	27	6
ILLINOIS	9	354,306	3.5	5	22	3.9	18	4
LOUISIANA	10	335,482	3.3	10	17	3.0	13	4
SOUTH CAROLINA	11	268,795	2.7	25	8	1.4	8	0
ARKANSAS	12	264,518	2.6	25	8	1.4	5	3
MISSOURI	13	239,629	2.4	7	20	3.5	17	3
KANSAS	14	169,598	1.7	27	7	1.2	7	0
NEW JERSEY	15	160,874	1.6	16	12	2.1	6	6
ALABAMA	16	158,837	1.6	21	9	1.6	7	2
KENTUCKY	17	96,454	1.0	21	9	1.6	7	2
IDAHO	18	88,297	0.9	42	2	0.4	1	1
OKLAHOMA	19	87,779	0.9	19	10	1.8	7	3
OREGON	20	84,036	0.8	38	3	0.5	3	0
UTAH	21	83,285	0.8	21	9	1.6	8	1
VIRGINIA	22	75,709	0.7	14	14	2.5	6	8
MISSISSIPPI	23	68,067	0.7	38	3	0.5	2	1
NEVADA	24	54,678	0.5	32	5	0.9	3	2
MARYLAND	25	53,580	0.5	38	3	0.5	1	2
CONNECTICUT	26	50,952	0.5	27	7	1.2	7	0
ARIZONA	27	50,586	0.5	16	12	2.1	5	7
WASHINGTON	28	47,730	0.5	13	15	2.6	12	3
PUERTO RICO	29	44,397	0.4	35	4	0.7	3	1
TENNESSEE	30	40,586	0.4	15	13	2.3	12	1
MASSACHUSETTS	31	26,859	0.3	21	9	1.6	4	5
NORTH CAROLINA	32	24,575	0.2	10	17	3.0	13	4
GEORGIA	33	21,603	0.2	18	11	1.9	11	0
FLORIDA	34	14,907	0.1	8	18	3.2	9	9
COLORADO	35	14,151	0.1	19	10	1.8	3	7
WEST VIRGINIA	36	8,413	0.1	27	7	1.2	6	1
DELAWARE	37	3,264	0.0	44	1	0.2	0	1
RHODE ISLAND	38	2,090	0.0	35	4	0.7	1	3
NEW MEXICO	39	1,527	0.0	30	6	1.1	3	3
IOWA	40	1,004	0.0	32	5	0.9	3	2
MAINE	41	823	0.0	38	3	0.5	1	2
NORTH DAKOTA	42	516	0.0	35	4	0.7	3	1
VERMONT	43	319	0.0	32	5	0.9	2	3
SOUTH DAKOTA	44	229	0.0	44	1	0.2	1	0
HAWAII	45	125	0.0	44	1	0.2	1	0
GUAM	46	94	0.0	44	1	0.2	1	0
ALASKA	47	6	0.0	42	2	0.4	2	0
DISTRICT OF COLUMBIA	48	0	0.0	48	0	0.0	0	0
MINNESOTA	48	0	0.0	48	0	0.0	0	0
MONTANA	48	0	0.0	48	0	0.0	0	0
NAVAJO NATION	48	0	0.0	48	0	0.0	0	0
NEW HAMPSHIRE	48	0	0.0	48	0	0.0	0	0
TRUST TERRITORIES	48	0	0.0	48	0	0.0	0	0
VIRGIN ISLANDS	48	0	0.0	48	0	0.0	0	0
WISCONSIN	48	0	0.0	48	0	0.0	0	0
WYOMING	48	0	0.0	48	0	0.0	0	0
<b>Total</b>		<b>10,135,571</b>	<b>100.0</b>		<b>567</b>	<b>100.0</b>	<b>442</b>	<b>125</b>

**Note:** Columns may not sum due to rounding.

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# Preliminary National Biennial RCRA Hazardous Waste Report: Based on 2001 Data

**Exhibit 3.7** Rank Ordering of States Based on Number of Receiving Facilities and Quantity of RCRA Hazardous Waste Received, 2001

State	Number of Receivers			Hazardous Waste Quantity			Reported Status	
	Rank	Number	Percentage	Rank	Tons Received	Percentage	TSDF	Non-TSDF
CALIFORNIA	1	63	11.1	1	2,607,647	25.7	53	10
TEXAS	2	62	10.9	3	850,411	8.4	62	0
PENNSYLVANIA	3	33	5.8	8	419,515	4.1	27	6
NEW YORK	4	29	5.1	4	723,930	7.1	21	8
ILLINOIS	5	22	3.9	9	354,306	3.5	18	4
OHIO	5	22	3.9	2	885,579	8.7	19	3
MISSOURI	7	20	3.5	13	239,629	2.4	17	3
FLORIDA	8	18	3.2	34	14,907	0.1	9	9
INDIANA	8	18	3.2	7	501,258	4.9	16	2
LOUISIANA	10	17	3.0	10	335,482	3.3	13	4
MICHIGAN	10	17	3.0	6	568,499	5.6	17	0
NORTH CAROLINA	10	17	3.0	32	24,575	0.2	13	4
WASHINGTON	13	15	2.6	28	47,730	0.5	12	3
VIRGINIA	14	14	2.5	22	75,709	0.7	6	8
TENNESSEE	15	13	2.3	30	40,586	0.4	12	1
ARIZONA	16	12	2.1	27	50,586	0.5	5	7
NEW JERSEY	16	12	2.1	15	160,874	1.6	6	6
GEORGIA	18	11	1.9	33	21,603	0.2	11	0
COLORADO	19	10	1.8	35	14,151	0.1	3	7
OKLAHOMA	19	10	1.8	19	87,779	0.9	7	3
ALABAMA	21	9	1.6	16	158,837	1.6	7	2
KENTUCKY	21	9	1.6	17	96,454	1.0	7	2
MASSACHUSETTS	21	9	1.6	31	26,859	0.3	4	5
UTAH	21	9	1.6	21	83,285	0.8	8	1
ARKANSAS	25	8	1.4	12	264,518	2.6	5	3
SOUTH CAROLINA	25	8	1.4	11	268,795	2.7	8	0
CONNECTICUT	27	7	1.2	26	50,952	0.5	7	0
KANSAS	27	7	1.2	14	169,598	1.7	7	0
WEST VIRGINIA	27	7	1.2	36	8,413	0.1	6	1
NEBRASKA	30	6	1.1	5	580,053	5.7	5	1
NEW MEXICO	30	6	1.1	39	1,527	0.0	3	3
IOWA	32	5	0.9	40	1,004	0.0	3	2
NEVADA	32	5	0.9	24	54,678	0.5	3	2
VERMONT	32	5	0.9	43	319	0.0	2	3
NORTH DAKOTA	35	4	0.7	42	516	0.0	3	1
PUERTO RICO	35	4	0.7	29	44,397	0.4	3	1
RHODE ISLAND	35	4	0.7	38	2,090	0.0	1	3
MAINE	38	3	0.5	41	823	0.0	1	2
MARYLAND	38	3	0.5	25	53,580	0.5	1	2
MISSISSIPPI	38	3	0.5	23	68,067	0.7	2	1
OREGON	38	3	0.5	20	84,036	0.8	3	0
ALASKA	42	2	0.4	47	6	0.0	2	0
IDAHO	42	2	0.4	18	88,297	0.9	1	1
DELAWARE	44	1	0.2	37	3,264	0.0	0	1
GUAM	44	1	0.2	46	94	0.0	1	0
HAWAII	44	1	0.2	45	125	0.0	1	0
SOUTH DAKOTA	44	1	0.2	44	229	0.0	1	0
DISTRICT OF COLUMBIA	48	0	0.0	48	0	0.0	0	0
MINNESOTA	48	0	0.0	48	0	0.0	0	0
MONTANA	48	0	0.0	48	0	0.0	0	0
NAVAJO NATION	48	0	0.0	48	0	0.0	0	0
NEW HAMPSHIRE	48	0	0.0	48	0	0.0	0	0
TRUST TERRITORIES	48	0	0.0	48	0	0.0	0	0
VIRGIN ISLANDS	48	0	0.0	48	0	0.0	0	0
WISCONSIN	48	0	0.0	48	0	0.0	0	0
WYOMING	48	0	0.0	48	0	0.0	0	0
<b>Total</b>		<b>567</b>	<b>100.0</b>		<b>10,135,571</b>	<b>100.0</b>	<b>442</b>	<b>125</b>

**Note:** Columns may not sum due to rounding.

**Reporting requirement changes for the 2001 National Biennial will make cursory comparisons of the 2001 National Biennial Report to National Biennial Reports prior to 2001 misleading. Refer to the introduction for a complete explanation.**

## Preliminary National Biennial RCRA Hazardous Waste Report: Based on 2001 Data

**Exhibit 3.8** Fifty Largest RCRA Hazardous Waste Receivers in the U.S., 2001

Rank	EPA ID	Name	City	Tons Received
1	CAD008252405	PACIFIC RESOURCE RECOVERY SERVICES	LOS ANGELES, CA	2,331,445
2	NED000610550	TETRA MICRONUTRIENTS INC	FAIRBURY, NE	455,426
3	NYD980592497	EASTMAN KODAK CO - KODAK PARK	ROCHESTER, NY	244,590
4	MID000724831	MICHIGAN DISPOSAL WASTE TREATMENT PLANT	BELLEVILLE, MI	222,732
5	OHD045243706	ENVIROSAFE SERVICES OF OHIO INC	OREGON, OH	217,232
6	PAD002395887	HORSEHEAD RESOURCE DEVELOPMENT	PALMERTON, PA	161,164
7	NYD030485288	REVERE SMELTING & REFINING CORP OF NJ	MIDDLETOWN, NY	157,390
8	KSD007482029	VULCAN MATERIALS CO	WICHITA, KS	146,739
9	NYD980592901	DELPHI HARRISON THERMAL SYSTEMS - WWTP	LOCKPORT, NY	138,014
10	TXD000719518	TM DEER PARK SERVICES LLC	DEER PARK, TX	135,610
11	NYD049836679	CWM CHEMICAL SERVICES, L.L.C.	MODEL CITY, NY	132,475
12	SCD003351699	GIANT CEMENT COMPANY	HARLEYVILLE, SC	128,305
13	IND093219012	HERITAGE ENVIRONMENTAL SERVICES LLC	INDIANAPOLIS, IN	128,067
14	LAD000777201	CHEMICAL WASTE MANAGEMENT	SULPHUR, LA	124,280
15	NED981723513	CLEAN HARBORS ENV SERVICES INC	KIMBALL, NE	123,305
16	IND980503890	HERITAGE ENVIRONMENTAL SERVICES LLC	ROACHDALE, IN	113,606
17	OHD987048733	LAFARGE NORTH AMERICA	PAULDING, OH	107,356
18	OHD020273819	VICKERY ENVIRONMENTAL INC	VICKERY, OH	105,448
19	OHD005048947	SYSTECH ENVIRONMENTAL CORPORATION	PAULDING, OH	101,275
20	NJD002385730	DUPONT CHAMBERS WORKS	DEEPWATER, NJ	95,541
21	MOD054018288	CONTINENTAL CEMENT CO LLC	HANNIBAL, MO	93,781
22	MID096963194	PERMA FIX OF MICHIGAN INC	BROWNSTOWN TWP, MI	91,449
23	TXD055141378	SAFETY KLEEN SYSTEMS INC	DEER PARK, TX	90,669
24	IND005081542	ESSROC CEMENT CORP	LOGANSPOUT, IN	90,281
25	TXD083472266	LYONDELL CHEMICAL COMPANY	CHANNELVIEW, TX	89,252
26	MID980615298	PETRO CHEM PROCESSING GRP OF NORTRU	DETROIT, MI	89,163
27	ALD000622464	CHEMICAL WASTE MANAGEMENT	EMELLE, AL	88,623
28	IDD073114654	US ECOLOGY IDAHO INC SITE B	GRAND VIEW, ID	88,118
29	SCD003368891	HOLCIM US INC ENERGIS LLC	HOLLY HILL, SC	86,975
30	ILD000805812	PEORIA DISPOSAL CO INC	PEORIA, IL	82,339
31	ORD089452353	CHEMICAL WASTE MANAGEMENT OF THE NW	ARLINGTON, OR	81,778
32	MOD029729688	HOLCIM (US) INC/SAFETY-KLEEN SYSTEMS INC	CLARKSVILLE, MO	79,169
33	ARD981057870	RINECO CHEMICAL INDUSTRIES, INC	BENTON, AR	77,283
34	ARD981512270	ASH GROVE CEMENT COMPANY	FOREMAN, AR	75,610
35	PAD002389559	KEYSTONE CEMENT CO	BATH, PA	71,880
36	LAR000042226	SHELL NORCO CHEMICAL PLANT - WEST SITE	NORCO, LA	66,250
37	MSD077655876	HOLCIM (US) INC.	ARTESIA, MS	66,092
38	OHD980568992	ENVIRITE OF OHIO, INC.	CANTON, OH	65,925
39	TXD982290140	CLEAN HARBORS LA PORTE LP	LA PORTE, TX	63,213
40	TXD007349327	TXI OPERATIONS LP	MIDLOTHIAN, TX	62,009
41	OKD065438376	CLEAN HARBORS LONE MOUNTAIN LLC	WAYNOKA, OK	61,824
42	ARD006354161	REYNOLDS METALS COMPANY	ARKADELPHIA, AR	60,382
43	ILD000666206	ENVIRITE OF ILLINOIS INC	HARVEY, IL	56,509
44	LAD000778514	SAFETY-KLEEN (PLAQUEMINE), INC.	PLAQUEMINE, LA	54,217
45	MID980991566	USL CITY ENVIRONMENTAL INC	DETROIT, MI	54,063
46	TXD097673149	VOPAK INDUSTRIAL SERVICES USA INC	DEER PARK, TX	53,705
47	TXD077603371	SAFETY KLEEN SYSTEMS INC	DENTON, TX	53,219
48	ILD098642424	ONYX ENV SVCS	SAUGET, IL	52,534
49	MDD980555189	CLEAN HARBORS OF BALTIMORE, INC	BALTIMORE, MD	52,039
50	MOD981127319	LONE STAR INDUSTRIES INC	CAPE GIRARDEAU, MO	51,276
<b>Total</b>				<b>7,519,625</b>

**Note:** Column may not sum due to rounding.

**Reporting requirement changes for the 2001 National Biennial will make cursory comparisons of the 2001 National Biennial Report to National Biennial Reports prior to 2001 misleading. Refer to the introduction for a complete explanation.**

# Preliminary National Biennial RCRA Hazardous Waste Report: Based on 2001 Data

**Exhibit 4.1** RCRA Hazardous Waste Interstate Shipments and Receipts, by State, 2001

STATE	Interstate Shipments (Tons)	Interstate Receipts (Tons)
ALABAMA	8,415,220	121,100
ALASKA	4,151	0
ARIZONA	26,504	26,303
ARKANSAS	1,249,506	195,865
CALIFORNIA	455,965	40,267
COLORADO	40,337,674	3,970
CONNECTICUT	81,650	17,587
DELAWARE	16,650	3,109
DISTRICT OF COLUMBIA	30	0
FLORIDA	55,420	4,040
GEORGIA	106,512	12,663
GUAM	331	0
HAWAII	656	0
IDAHO	3,403	86,070
ILLINOIS	226,966	213,804
INDIANA	289,458	244,748
IOWA	83,194	215
KANSAS	42,790	19,846
KENTUCKY	159,565	43,359
LOUISIANA	102,825	172,409
MAINE	5,202	247
MARYLAND	10,499	49,885
MASSACHUSETTS	80,146	13,282
MICHIGAN	282,067	394,038
MINNESOTA	0	0
MISSISSIPPI	35,905	67,090
MISSOURI	55,950	206,440
MONTANA	6,437	0
NAVAJO NATION	186	0
NEBRASKA	25,637	123,018
NEVADA	5,446	49,862
NEW HAMPSHIRE	12,273	0
NEW JERSEY	180,511	106,792
NEW MEXICO	7,145	824
NEW YORK	119,515	113,707
NORTH CAROLINA	94,898	14,611
NORTH DAKOTA	2,650	220
OHIO	293,949	508,836
OKLAHOMA	27,762	75,473
OREGON	40,533	55,260
PENNSYLVANIA	205,001	248,386
PUERTO RICO	69,973	81
RHODE ISLAND	6,414	1,509
SOUTH CAROLINA	101,542	206,221
SOUTH DAKOTA	0	86
TENNESSEE	36,514	30,683
TEXAS	208,789	226,503
TRUST TERRITORIES	418	0
UTAH	39,702	35,677
VERMONT	4,623	136
VIRGIN ISLANDS	0	0
VIRGINIA	53,369	28,188
WASHINGTON	56,211	15,246
WEST VIRGINIA	44,723	7,474
WISCONSIN	0	0
WYOMING	1,749	0
<b>TOTAL</b>	<b>53,774,207</b>	<b>3,785,130</b>

Note: Columns may not sum due to rounding.

**Reporting requirement changes for the 2001 National Biennial will make cursory comparisons of the 2001 National Biennial Report to National Biennial Reports prior to 2001 misleading. Refer to the introduction for a complete explanation.**

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## **APPENDIX A**

### **EPA REGION - STATE MAPPING**

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## EPA REGION - STATE MAPPING

EPA REGION	STATES IN REGION
REGION 1	Connecticut Maine Massachusetts New Hampshire Rhode Island Vermont
REGION 2	New Jersey New York Puerto Rico Virgin Islands
REGION 3	Delaware District of Columbia Maryland Pennsylvania Virginia West Virginia
REGION 4	Alabama Florida Georgia Kentucky Mississippi North Carolina South Carolina Tennessee
REGION 5	Illinois Indiana Michigan Minnesota Ohio Wisconsin
REGION 6	Arkansas Louisiana New Mexico Oklahoma Texas
REGION 7	Iowa Kansas Missouri Nebraska
REGION 8	Colorado Montana North Dakota South Dakota Utah Wyoming
REGION 9	Arizona California Guam Hawaii Navajo Nation Nevada Trust Territories
REGION 10	Alaska Idaho Oregon Washington

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## **APPENDIX B**

### **2001 EPA MANAGEMENT METHOD CODES**

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## EPA MANAGEMENT METHOD CODES

Code	Management Method Code Group	Code	Management Method Code Group
<b><u>RECLAMATION AND RECOVERY</u></b>		<b><u>DESTRUCTION OR TREATMENT PRIOR TO DISPOSAL AT ANOTHER SITE (cont'd)</u></b>	
<b>H010</b>	Metals recovery including retorting, smelting, chemical, etc.	<b>H103</b>	Absorption
<b>H020</b>	Solvents recovery	<b>H111</b>	Stabilization or chemical fixation prior to disposal at another site
<b>H039</b>	Other recovery or reclamation for reuse including acid regeneration, organics recovery, etc. (specify in comments)	<b>H112</b>	Macro-encapsulation prior to disposal at another site
<b>H050</b>	Energy recovery at this site - use as fuel (includes on-site fuel blending)	<b>H121</b>	Neutralization only
<b>H061</b>	Fuel blending prior to energy recovery at another site	<b>H122</b>	Evaporation
<b><u>DESTRUCTION OR TREATMENT PRIOR TO DISPOSAL AT ANOTHER SITE</u></b>		<b>H123</b>	Settling or clarification
<b>H040</b>	Incineration - thermal destruction other than use as a fuel	<b>H124</b>	Phase separation
<b>H071</b>	Chemical reduction with or without precipitation	<b>H129</b>	Other treatment (specify in comments)
<b>H073</b>	Cyanide destruction with or without precipitation	<b><u>DISPOSAL</u></b>	
<b>H075</b>	Chemical oxidation	<b>H131</b>	Land treatment or application (to include on-site treatment and/or stabilization)
<b>H076</b>	Wet air oxidation	<b>H132</b>	Landfill or surface impoundment that will be closed as landfill (to include on-site treatment and/or stabilization)
<b>H077</b>	Other chemical precipitation with or without pre-treatment	<b>H134</b>	Deepwell or underground injection (with or without treatment)
<b>H081</b>	Biological treatment with or without precipitation	<b>H135</b>	Discharge to sewer/POTW or NPDES (with prior storage - with or without treatment)
<b>H082</b>	Adsorption	<b><u>STORAGE AND TRANSFER</u></b>	
<b>H083</b>	Air or steam stripping	<b>H141</b>	Storage, bulking, and/or transfer off site - no treatment/recovery (H010-H129), fuel blending (H061), or disposal (H131-H135) at this site
<b>H101</b>	Sludge treatment and/or dewatering		

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## **APPENDIX C**

### **2001 HAZARDOUS WASTE REPORT FORM CODES**

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## EPA FORM CODES

Code	Form Code Group	Code	Form Code Group
<b><u>MIXED MEDIA/DEBRIS/DEVICES</u></b>		<b><u>ORGANIC LIQUIDS</u></b>	
<i>Waste that is a mixture of organic and inorganic wastes, liquid and solid wastes, or devices that are not easily categorizable</i>		<i>Waste that is primarily organic and is highly fluid, with low inorganic solids content and low-to-moderate water content</i>	
<b>W001</b>	Lab packs with no acute hazardous waste	<b>W200</b>	Still bottoms in liquid form
<b>W002</b>	Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, other solids	<b>W202</b>	Concentrated halogenated (e.g., chlorinated) solvent
<b>W004</b>	Lab packs containing acute hazardous waste	<b>W203</b>	Concentrated non-halogenated (e.g., non-chlorinated) solvent
<b>W301</b>	Contaminated soil	<b>W204</b>	Concentrated halogenated/ non-halogenated solvent mixture
<b>W309</b>	Batteries, battery parts, cores, casings	<b>W205</b>	Oil-water emulsion or mixture
<b>W310</b>	Filters, solid adsorbents, ion exchange resins and spent carbon	<b>W206</b>	Waste oil
<b>W320</b>	Electrical devices (lamps, thermostats, CRTs, etc.)	<b>W209</b>	Paint, ink, lacquer, or varnish
<b>W512</b>	Sediment or lagoon dragout, drilling or other muds	<b>W210</b>	Reactive or polymerizable organic liquids and adhesives
<b>W801</b>	Compressed gases	<b>W211</b>	Paint thinner or petroleum distillates
<b><u>INORGANIC LIQUIDS</u></b>		<b>W219</b>	Other organic liquid (specify in comments)
<i>Waste that is primarily inorganic and highly fluid (e.g., aqueous), with low suspended inorganic solids and low organic content</i>		<b><u>INORGANIC SOLIDS</u></b>	
		<i>Waste that is primarily inorganic and solid, with low organic content and low-to-moderate water content; not pumpable</i>	
<b>W101</b>	Very dilute aqueous waste containing more than 99% water	<b>W303</b>	Ash
<b>W103</b>	Spent concentrated acid	<b>W304</b>	Slags, drosses, and other solid thermal residues
<b>W105</b>	Acidic aqueous wastes less than 5% acid	<b>W307</b>	Metal scale, filings and scrap (including metal drums)
<b>W107</b>	Aqueous waste containing cyanides	<b>W312</b>	Cyanide or metal cyanide bearing solids, salts or chemicals
<b>W110</b>	Caustic aqueous waste without cyanides	<b>W316</b>	Metal salts or chemicals not containing cyanides
<b>W113</b>	Other aqueous waste or wastewaters	<b>W319</b>	Other inorganic solids (specify in comments)
<b>W117</b>	Waste liquid mercury		
<b>W119</b>	Other inorganic liquid (specify in comments)		

## EPA FORM CODES

Code	Form Code Group	Code	Form Code Group
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### ORGANIC SOLIDS

*Waste that is primarily organic and solid, with low-to-moderate inorganic content and water content; not pumpable*

- W401** Pesticide solids
- W403** Solid resins, plastics or polymerized organics
- W405** Explosives or reactive organic solids
- W409** Other organic solids (specify in comments)

### ORGANIC SLUDGES

*Waste that is primarily organic with low-to-moderate inorganic solids content and water content; pumpable*

- W603** Oily sludge
- W604** Paint or ink sludges, still bottoms in sludge form
- W606** Resins, tars, polymer or tarry sludge
- W609** Other organic sludge (specify in comments)

### INORGANIC SLUDGES

*Waste that is primarily inorganic, with moderate-to-high water content and low organic content; mostly pumpable*

- W501** Lime and/or metal hydroxide sludges and solids with no cyanides
- W503** Gypsum sludges from wastewater treatment or air pollution control
- W504** Other sludges from wastewater treatment or air pollution control
- W505** Metal bearing sludges (including plating sludge) not containing cyanides
- W506** Cyanide-bearing sludges
- W519** Other inorganic sludges (specify in comments)

## **APPENDIX D**

### **EPA HAZARDOUS WASTE CODES**

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## EPA HAZARDOUS WASTE CODES

Code	Waste description	Code	Waste description
<b>CHARACTERISTICS OF HAZARDOUS WASTE</b> ( <i>SEE 40 CFR 261.24</i> )		<b>D022</b>	Chloroform
<b>D001</b>	Ignitable waste	<b>D023</b>	o-Cresol
<b>D002</b>	Corrosive waste	<b>D024</b>	m-Cresol
<b>D003</b>	Reactive waste	<b>D025</b>	p-Cresol
<b>D004</b>	Arsenic	<b>D026</b>	Cresol
<b>D005</b>	Barium	<b>D027</b>	1,4-Dichlorobenzene
<b>D006</b>	Cadmium	<b>D028</b>	1,2-Dichloroethane
<b>D007</b>	Chromium	<b>D029</b>	1,1-Dichloroethylene
<b>D008</b>	Lead	<b>D030</b>	2,4-Dinitrotoluene
<b>D009</b>	Mercury	<b>D031</b>	Heptachlor (and its epoxide)
<b>D010</b>	Selenium	<b>D032</b>	Hexachlorobenzene
<b>D011</b>	Silver	<b>D033</b>	Hexachlorobutadiene
<b>D012</b>	Endrin	<b>D034</b>	Hexachloroethane
<b>D013</b>	Lindane	<b>D035</b>	Methyl ethyl ketone
<b>D014</b>	Methoxychlor	<b>D036</b>	Nitrobenzene
<b>D015</b>	Toxaphene	<b>D037</b>	Pentachlorophenol
<b>D016</b>	2,4-D	<b>D038</b>	Pyridine
<b>D017</b>	2,4,5-TP Silvex	<b>D039</b>	Tetrachloroethylene
<b>D018</b>	Benzene	<b>D040</b>	Trichlorethylene
<b>D019</b>	Carbon tetrachloride	<b>D041</b>	2,4,5-Trichlorophenol
<b>D020</b>	Chlordane	<b>D042</b>	2,4,6-Trichlorophenol
<b>D021</b>	Chlorobenzene	<b>D043</b>	Vinyl chloride

## EPA HAZARDOUS WASTE CODES

Code	Waste description	Code	Waste description
<b>HAZARDOUS WASTE FROM NONSPECIFIC SOURCES</b> (SEE 40 CFR 261.31)			
<b>F001</b>	The following spent halogenated solvents used in degreasing: tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride and chlorinated fluorocarbons; all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.	<b>F004</b>	The following spent nonhalogenated solvents: cresols, cresylic acid, and nitrobenzene; and the still bottoms from the recovery of these solvents; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above nonhalogenated solvents or those solvents listed in F001, F002, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
<b>F002</b>	The following spent halogenated solvents: tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2, trichloroethane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F001, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.	<b>F005</b>	The following spent nonhalogenated solvents: toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above nonhalogenated solvents or those solvents listed in F001, F002, or F004; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
<b>F003</b>	The following spent non-halogenated solvents: xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/ blends containing, before use, only the above spent nonhalogenated solvents; and all spent solvent mixtures/blends containing, before use, one or more of the above nonhalogenated solvents, and a total of ten percent or more (by volume) of one or more of those solvents listed in F001, F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.	<b>F006</b>	Wastewater treatment sludges from electroplating operations except from the following processes: (1) sulfuric acid anodizing of aluminum; (2) tin plating on carbon steel; (3) zinc plating (segregated basis) on carbon steel; (4) aluminum or zinc-aluminum plating on carbon steel; (5) cleaning/stripping associated with tin, zinc, and aluminum plating on carbon steel; and (6) chemical etching and milling of aluminum.
		<b>F007</b>	Spent cyanide plating bath solutions from electroplating operations.
		<b>F008</b>	Plating bath residues from the bottom of plating baths from electroplating operations in which cyanides are used in the process.
		<b>F009</b>	Spent stripping and cleaning bath solutions from electroplating operations in which cyanides are used in the process.
		<b>F010</b>	Quenching bath residues from oil baths from metal heat treating operations in which cyanides are used in the process.
		<b>F011</b>	Spent cyanide solutions from slat bath pot cleaning from metal heat treating operations.

## EPA HAZARDOUS WASTE CODES

Code	Waste description	Code	Waste description
<b>F012</b>	Quenching wastewater treatment sludges from metal heat treating operations in which cyanides are used in the process.	<b>F024</b>	Process wastes including, but not limited to, distillation residues, heavy ends, tars, and reactor clean-out wastes, from the production of certain chlorinated aliphatic hydrocarbons by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution. (This listing does not include wastewaters, wastewater treatment sludge, spent catalysts, and wastes listed in Sections 261.31. or 261.32.)
<b>F019</b>	Wastewater treatment sludges from the chemical conversion coating of aluminum except from zirconium phosphating in aluminum can washing when such phosphating is an exclusive conversion coating process.	<b>F025</b>	Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one, to and including five, with varying amounts and positions of chlorine substitution.
<b>F020</b>	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- or tetrachlorophenol or of intermediates used to produce their pesticide derivatives. (This listing does not include wastes from the production of hexachlorophene from highly purified 2,4,5-trichlorophenol.)	<b>F026</b>	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzene under alkaline conditions.
<b>F021</b>	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of pentachlorophenol, or of intermediates used to produce derivatives.	<b>F027</b>	Discarded unused formulations containing tri-, tetra-, or pentachlorophenol or discarded unused formulations containing compounds derived from these chlorophenols. (This listing does not include formulations containing hexachlorophene synthesized from prepurified 2,4,5-trichlorophenol as the sole component.)
<b>F022</b>	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzenes under alkaline conditions.	<b>F028</b>	Residues resulting from the incineration or thermal treatment of soil contaminated with EPA hazardous waste nos. F020, F021, F022, F023, F026, and F027.
<b>F023</b>	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- and tetrachlorophenols. (This listing does not include wastes from equipment used only for the production or use of hexachlorophene from highly purified 2,4,5-trichlorophenol.)		

## EPA HAZARDOUS WASTE CODES

Code	Waste description	Code	Waste description
<b>F032</b>	Wastewaters, process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that currently use, or have previously used, chlorophenolic formulations [except potentially cross-contaminated wastes that have had the F032 waste code deleted in accordance with Section 261.35 (i.e., the newly promulgated equipment cleaning or replacement standards), and where the generator does not resume or initiate use of chlorophenolic formulations]. (This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.)		cooling waters segregated for treatment from other process or oily cooling waters, sludges generated in aggressive biological treatment units as defined in §261.31(b)(2) (including sludges generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units) and K051 wastes are not included in this listing. This listing does include residuals generated from processing or recycling oil-bearing hazardous secondary materials excluded under §261.4(a)(12)(i), if those residuals are to be disposed of.
<b>F034</b>	Wastewaters, process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use creosote formulations. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.	<b>F038</b>	Petroleum refinery secondary (emulsified) oil/water/solids separation sludge - Any sludge and/or float generated from the physical and/or chemical separation of oil/water/solids in process wastewaters and oily cooling wastewaters from petroleum refineries. Such wastes include, but are not limited to, all sludges and floats generated in induced air flotation (IAF) units, tanks and impoundments, and all sludges generated in DAF units. Sludges generated in stormwater units that do not receive dry weather flow, sludges generated in aggressive biological treatment units as defined in Section 261.31(b)(2) (including sludges generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units), and F037, K048, and K051 wastes are exempted from this listing.
<b>F035</b>	Wastewaters, process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use inorganic preservatives containing arsenic or chromium. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.	<b>F039</b>	Leachate resulting from the treatment, storage, or disposal of wastes classified by more than one waste code under Subpart D, or from a mixture of wastes classified under Subparts C and D of this part. (Leachate resulting from the management of one or more of the following EPA Hazardous Wastes and no other hazardous wastes retains its hazardous waste code(s): F020, F021, F022, F023, F026, F027, and/or F028.)
<b>F037</b>	Petroleum refinery primary oil/water/solids separation sludge - Any sludge generated from the gravitational separation of oil/water/solids during the storage or treatment of process wastewaters and oily cooling wastewaters from petroleum refineries. Such sludges include, but are not limited to, those generated in oil/water/solids separators; tanks and impoundments; ditches and other conveyances; sumps; and stormwater units receiving dry weather flow, sludge generated in stormwater units that do not receive dry weather flow, sludges generated from non-contact once-through		
<b>HAZARDOUS WASTE FROM SPECIFIC SOURCES (SEE 40 CFR 261.32)</b>			
<b>K001</b>	Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol.		



## EPA HAZARDOUS WASTE CODES

Code	Waste description	Code	Waste description
<b>K002</b>	Wastewater treatment sludge from the production of chrome yellow and orange pigments.	<b>K019</b>	Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production.
<b>K003</b>	Wastewater treatment sludge from the production of molybdate orange pigments.	<b>K020</b>	Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production.
<b>K004</b>	Wastewater treatment sludge from the production of zinc yellow pigments.	<b>K021</b>	Aqueous spent antimony catalyst waste from fluoromethane production.
<b>K005</b>	Wastewater treatment sludge from the production of chrome green pigments.	<b>K022</b>	Distillation bottom tars from the production of phenol/acetone from cumene.
<b>K006</b>	Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated).	<b>K023</b>	Distillation light ends from the production of phthalic anhydride from naphthalene.
<b>K007</b>	Wastewater treatment sludge from the production of iron blue pigments.	<b>K024</b>	Distillation bottoms from the production of phthalic anhydride from naphthalene.
<b>K008</b>	Oven residue from the production of chrome oxide green pigments.	<b>K025</b>	Distillation bottoms from the production of nitrobenzene by the nitration of benzene.
<b>K009</b>	Distillation bottoms from the production of acetaldehyde from ethylene.	<b>K026</b>	Stripping still tails from the production of methyl ethyl pyridines.
<b>K010</b>	Distillation side cuts from the production of acetaldehyde from ethylene.	<b>K027</b>	Centrifuge and distillation residues from toluene diisocyanate production.
<b>K011</b>	Bottom stream from the wastewater stripper in the production of acrylonitrile.	<b>K028</b>	Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane.
<b>K013</b>	Bottom stream from the acetonitrile column in the production of acrylonitrile.	<b>K029</b>	Waste from the product steam stripper in the production of 1,1,1-trichloroethane.
<b>K014</b>	Bottoms from the acetonitrile purification column in the production of acrylonitrile.	<b>K030</b>	Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene.
<b>K015</b>	Still bottoms from the distillation of benzyl chloride.	<b>K031</b>	By-product salts generated in the production of MSMA and cacodylic acid.
<b>K016</b>	Heavy ends or distillation residues from the production of carbon tetrachloride.	<b>K032</b>	Wastewater treatment sludge from the production of chlordane.
<b>K017</b>	Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin.	<b>K033</b>	Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane.
<b>K018</b>	Heavy ends from the fractionation column in ethyl chloride production.	<b>K034</b>	Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane.

### EPA HAZARDOUS WASTE CODES

Code	Waste description	Code	Waste description
<b>K035</b>	Wastewater treatment sludges generated in the production of creosote.	<b>K051</b>	API separator sludge from the petroleum refining industry.
<b>K036</b>	Still bottoms from toluene reclamation distillation in the production of disulfoton.	<b>K052</b>	Tank bottoms (leaded) from the petroleum refining industry.
<b>K037</b>	Wastewater treatment sludges from the production of disulfoton.	<b>K060</b>	Ammonia still lime sludge from coking operations.
<b>K038</b>	Wastewater from the washing and stripping of phorate production.	<b>K061</b>	Emission control dust/sludge from the primary production of steel in electric furnaces.
<b>K039</b>	Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate.	<b>K062</b>	Spent pickle liquor from steel finishing operations of plants that produce iron or steel.
<b>K040</b>	Wastewater treatment sludge from the production of phorate.	<b>K064</b>	Acid plant blowdown slurry/sludge resulting from the thickening of blowdown slurry from primary copper production.
<b>K041</b>	Wastewater treatment sludge from the production of toxaphene.	<b>K065</b>	Surface impoundment solids contained in and dredged from surface impoundments at primary lead smelting facilities.
<b>K042</b>	Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T.	<b>K066</b>	Sludge from treatment of process wastewater and/or acid plant blowdown from primary zinc production.
<b>K043</b>	2,6-dichlorophenol waste from the production of 2,4-D.	<b>K069</b>	Emission control dust/sludge from secondary lead smelting.
<b>K044</b>	Wastewater treatment sludges from the manufacturing and processing of explosives.	<b>K071</b>	Brine purification muds from the mercury cell process in chlorine production, in which separately prepurified brine is not used.
<b>K045</b>	Spent carbon from the treatment of wastewater containing explosives.	<b>K073</b>	Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production.
<b>K046</b>	Wastewater treatment sludges from the manufacturing, formulation, and loading of lead-based initiating compounds.	<b>K083</b>	Distillation bottoms from aniline production.
<b>K047</b>	Pink/red water from TNT operations.	<b>K084</b>	Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.
<b>K048</b>	Dissolved air flotation (DAF) float from the petroleum refining industry.	<b>K085</b>	Distillation or fractionation column bottoms from the production of chlorobenzenes.
<b>K049</b>	Slop oil emulsion solids from the petroleum refining industry.	<b>K086</b>	Solvent washes and sludges, caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead.
<b>K050</b>	Heat exchanger bundle cleaning sludge from the petroleum refining industry.		

## EPA HAZARDOUS WASTE CODES

Code	Waste description	Code	Waste description
<b>K087</b>	Decanter tank tar sludge from coking operations.	<b>K104</b>	Combined wastewaters generated from nitrobenzene/aniline production.
<b>K088</b>	Spent potliners from primary aluminum reduction.	<b>K105</b>	Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes.
<b>K090</b>	Emission control dust or sludge from ferrochromiumsilicon production.	<b>K106</b>	Wastewater treatment sludge from the mercury cell process in chlorine production.
<b>K091</b>	Emission control dust or sludge from ferrochromium production.	<b>K107</b>	Column bottoms from product separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.
<b>K093</b>	Distillation light ends from the production of phthalic anhydride from ortho-xylene.	<b>K108</b>	Condensed column overheads from product separation and condensed reactor vent gases from the production of 1,1-dimethylhydrazine from carboxylic acid hydrazides.
<b>K094</b>	Distillation bottoms from the production of phthalic anhydride from ortho-xylene.	<b>K109</b>	Spent filter cartridges from product purification from the product of 1,1-dimethylhydrazine from carboxylic acid hydrazides.
<b>K095</b>	Distillation bottoms from the production of 1,1,1-trichloroethane.	<b>K110</b>	Condensed column overheads from intermediate separation from the production of 1,1-dimethylhydrazine from carboxylic acid hydrazides.
<b>K096</b>	Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane.	<b>K111</b>	Product washwaters from the production of dinitrotoluene via nitration of toluene.
<b>K097</b>	Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane.	<b>K112</b>	Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene.
<b>K098</b>	Untreated process wastewater from the production of toxaphene.	<b>K113</b>	Condensed liquid light ends from purification of toluenediamine in production of toluenediamine via hydrogenation of dinitrotoluene.
<b>K099</b>	Untreated wastewater from the production of 2,4-D.	<b>K114</b>	Vicinals from the purification of toluenediamine in production of toluenediamine via hydrogenation of dinitrotoluene.
<b>K100</b>	Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting.	<b>K115</b>	Heavy ends from purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.
<b>K101</b>	Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.	<b>K116</b>	Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine.
<b>K102</b>	Residue from the use of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.		
<b>K103</b>	Process residues from aniline extraction from the production of aniline.		

### EPA HAZARDOUS WASTE CODES

Code	Waste description	Code	Waste description
<b>K117</b>	Wastewater from the reactor vent gas scrubber in the production of ethylene dibromide via bromination of ethene.	<b>K142</b>	Tank storage residues from the production of coke from coal or from the recovery of coke by-products from coal.
<b>K118</b>	Spent adsorbent solids from purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.	<b>K143</b>	Process residues from the recovery of light oil, including, but not limited to, those generated in stills, decanters, and wash oil recovery units from the recovery of coke by-products produced from coal.
<b>K123</b>	Process wastewater (including supernates, filtrates, and washwaters) from the production of ethylenebisdithiocarbamic acid and its salts.	<b>K144</b>	Wastewater sump residues from light oil refining, including, but not limited to, intercepting or contamination sump sludges from the recovery of coke by-products produced from coal.
<b>K124</b>	Reactor vent scrubber water from the production of ethylenebisdithiocarbamic acid and its salts.	<b>K145</b>	Residues from naphthalene collection and recovery operations from the recovery of coke by-products produced from coal.
<b>K125</b>	Filtration, evaporation, and centrifugation solids from the production of ethylenebisdithiocarbamic acid and its salts.	<b>K147</b>	Tar storage residues from coal tar refining.
<b>K126</b>	Baghouse dust and floor sweepings in milling and packaging operations from production or formulation of ethylenebisdithiocarbamic acid and its salts.	<b>K148</b>	Residues from coal tar distillation, including, but not limited to, still bottoms.
<b>K131</b>	Wastewater from the reactor and spent sulfuric acid from the acid dryer from the production of methyl bromide.	<b>K149</b>	Distillation bottoms from the production of alpha (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups. [This waste does not include still bottoms from the distillation of benzoyl chloride]
<b>K132</b>	Spent absorbent and wastewater separator solids from the production of methyl bromide.	<b>K150</b>	Organic residuals excluding spent carbon adsorbent, from the spent chlorine gas and hydrochloric acid recovery processes associated with the production of alpha (or methyl-) chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.
<b>K136</b>	Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.	<b>K151</b>	Wastewater treatment sludges, excluding neutralization and biological sludges, generated during the treatment of wastewaters from the production of alpha (or methyl-) chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.
<b>K140</b>	Floor sweepings, off-specification product, and spent filter media from the production of 2,4,6-tribromophenol.	<b>K156</b>	Organic waste (including heavy ends, still bottoms, light ends, spent solvents, filtrates, and decantates) from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylcarbamate.).
<b>K141</b>	Process residues from the recovery of coal tar, including, but not limited to, tar collecting sump residues from the production of coke from coal or the recovery of coke by-products produced from coal. This listing does not include K087 (decanter tank sludge from coking operations).		

## EPA HAZARDOUS WASTE CODES

Code	Waste description	Code	Waste description
<b>K157</b>	Wastewaters (including scrubber waters, condenser waters, washwaters, and separation waters) from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2propynl n-butylcarbamate.).		in a subtitle C or non-hazardous landfill licensed or permitted by the state or federal government; (ii) they are not otherwise placed on the land prior to final disposal; and (iii) the generator maintains documentation demonstrating that the waste was either disposed of in an on-site landfill or consigned to a transporter or disposal facility that provided a written commitment to dispose of the waste in an off-site landfill. Respondents in any action brought to enforce the requirements of subtitle C must, upon a showing by the government that the respondent managed wastewater treatment sludges from the production of vinyl chloride monomer or ethylene dichloride, demonstrate that they meet the terms of the exclusion set forth above. In doing so, they must provide appropriate documentation (e.g., contracts between the generator and the landfill owner/operator, invoices documenting delivery of waste to landfill, etc.) that the terms of the exclusion were met.*
<b>K158</b>	Bag house and filter/separation solids from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2propynl n-butylcarbamate.).		
<b>K159</b>	Organics from the treatment of thiocarbamate wastes.		
<b>K161</b>	Purification solids (including filtration, evaporation, and centrifugation solids), bag house dust and floor sweepings from the production of dithiocarbamate acids and their salts. (This listing does not include K125 or K126).	<b>K175</b>	Wastewater treatment sludges from the production of vinyl chloride monomer using mercuric chloride catalyst in an acetylene-based process.*
<b>K169</b>	Crude oil tank sediment from petroleum refining operations.	<b>DISCARDED COMMERCIAL CHEMICAL PRODUCTS, OFF-SPECIFICATION SPECIES, CONTAINER RESIDUALS, AND SPILL RESIDUES THEREOF – ACUTE HAZARDOUS WASTE (SEE 40 CFR 261.33 FOR AN ALPHABETIZED LISTING)</b>	
<b>K170</b>	Clarified slurry oil tank sediment and/or in-line filter/separation solids from petroleum refining operations.	<b>P001</b>	2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutyl)-, & salts, when present at concentrations greater than 0.3%
<b>K171</b>	Spent hydrotreating catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (This listing does not include inert support media).	<b>P001</b>	Warfarin, & salts, when present at concentrations greater than 0.3%
<b>K172</b>	Spent hydrotreating catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (This listing does not include inert support media).	<b>P002</b>	1-Acetyl-2-thiourea
		<b>P002</b>	Acetamide, N-(aminothioxomethyl)-
		<b>P003</b>	2-Propenal
<b>K174</b>	Wastewater treatment sludges from the production of ethylene dichloride or vinyl chloride monomer (including sludges that result from commingled ethylene dichloride or vinyl chloride monomer wastewater and other wastewater), unless the sludges meet the following conditions: (i) they are disposed of	<b>P003</b>	Acrolein
		<b>P004</b>	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a,-hexahydro-, (1alpha, 4alpha, 4abeta, 5alpha, 8alpha, 8abeta)-

## EPA HAZARDOUS WASTE CODES

Code	Waste description	Code	Waste description
P004	Aldrin	P020	Dinoseb
P005	2-Propen-1-ol	P020	Phenol, 2-(1-methylpropyl)-4,6-dinitro-
P005	Allyl alcohol	P021	Calcium cyanide
P006	Aluminum phosphide (R,T)	P021	Calcium cyanide Ca(CN) <sub>2</sub>
P007	3(2H)-Isoxazolone, 5-(aminomethyl)-	P022	Carbon disulfide
P007	5-(Aminomethyl)-3-isoxazolol	P023	Acetaldehyde, chloro-
P008	4-Aminopyridine	P023	Chloroacetaldehyde
P008	4-Pyridinamine	P024	Benzenamine, 4-chloro-
P009	Ammonium picrate (R)	P024	p-Chloraniline
P009	Phenol, 2,4,6-trinitro-, ammonium salt (R)	P026	1-(o-Chlorophenyl)thiourea
P010	Arsenic acid H <sub>3</sub> AsO <sub>4</sub>	P026	Thiourea, (2-chlorophenyl)-
P011	Arsenic oxide As <sub>2</sub> O <sub>5</sub>	P027	3-Chloropropionitrile
P011	Arsenic pentoxide	P027	Propanenitrile, 3-chloro-
P012	Arsenic oxide As <sub>2</sub> O <sub>3</sub>	P028	Benzene, (chloromethyl)-
P012	Arsenic trioxide	P028	Benzyl chloride
P013	Barium cyanide	P029	Copper cyanide
P014	Benzenethiol	P029	Copper cyanide Cu(CN)
P014	Thiophenol	P030	Cyanides (soluble cyanide salts), not otherwise specified
P015	Beryllium powder	P031	Cyanogen
P016	Dichloromethyl ether	P031	Ethanedinitrile
P016	Methane, oxybis[chloro-	P033	Cyanogen chloride
P017	2-Propanone, 1-bromo-	P033	Cyanogen chloride (CN)Cl
P017	Bromoacetone	P034	2-Cyclohexyl-4,6-dinitrophenol
P018	Brucine	P034	Phenol, 2-cyclohexyl-4,6-dinitro-
P018	Strychnidin-10-one, 2,3-dimethoxy-	P036	Arsonous dichloride, phenyl-

## EPA HAZARDOUS WASTE CODES

Code	Waste description	Code	Waste description
P036	Dichlorophenylarsine	P047	4,6-Dinitro-o-cresol, & salts
P037	2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha, 2beta, 2aalpha, 3beta, 6beta, 6aalpha, 7beta, 7aalpha)-	P047	Phenol, 2-methyl-4,6-dinitro-, & salts
P037	Dieldrin	P048	2,4-Dinitrophenol
P038	Arsine, diethyl-	P048	Phenol, 2,4-dinitro-
P038	Diethylarsine	P049	Dithiobiuret
P039	Disulfoton	P049	Thioimidodicarbonic diamide [(H <sub>2</sub> N)C(S)] <sub>2</sub> NH
P039	Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl] ester	P050	6,9-Methano-2,4,3-benzodioxathiepin,6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-,3-oxide
P040	O,O-Diethyl O-pyrazinyl phosphorothioate	P050	Endosulfan
P040	Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester	P051	2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha, 2beta, 2abeta, 3alpha, 6alpha, 6abeta, 7beta, 7aalpha)- & metabolites
P041	Diethyl-p-nitrophenyl phosphate	P051	Endrin
P041	Phosphoric acid, diethyl 4-nitrophenyl ester	P051	Endrin, & metabolites
P042	1,2-Benzenediol, 4-[1-hydroxy-2-(methylamino)ethyl]-, (R)-	P054	Aziridine
P042	Epinephrine	P054	Ethyleneimine
P043	Diisopropylfluorophosphate (DFP)	P056	Fluorine
P043	Phosphorofluoridic acid, bis(1-methylethyl) ester	P057	Acetamide, 2-fluoro-
P044	Dimethoate	P057	Fluoroacetamide
P044	Phosphorodithioic acid, O,O-dimethyl S-[2-(methylamino)-2-oxoethyl] ester	P058	Acetic acid, fluoro-, sodium salt
P045	2-Butanone, 3,3-dimethyl-1-(methylthio)-, O-[methylamino]carbonyl] oxime	P058	Fluoroacetic acid, sodium salt
P045	Thiofanox	P059	4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-
P046	alpha,alpha-Dimethylphenethylamine	P059	Heptachlor
P046	Benzeneethanamine, alpha, alpha-dimethyl-	P060	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a,-hexahydro-, (1alpha, 4alpha, 4abeta, 5beta, 8beta, 8abeta)-
		P060	Isodrin

## EPA HAZARDOUS WASTE CODES

Code	Waste description	Code	Waste description
P062	Hexaethyl tetraphosphate	P074	Nickel cyanide
P062	Tetraphosphoric acid, hexaethyl ester	P074	Nickel cyanide Ni(CN) <sub>2</sub>
P063	Hydrocyanic acid	P075	Nicotine, & salts
P063	Hydrogen cyanide	P075	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)-, & salts
P064	Methane, isocyanato-	P076	Nitric oxide
P064	Methyl isocyanate	P076	Nitrogen oxide NO
P065	Fulminic acid, mercury(2+) salt (R,T)	P077	Benzenamine, 4-nitro-
P065	Mercury fulminate (R,T)	P077	p-Nitroaniline
P066	Ethanimidothioic acid, N- [[[(methylamino)carbonyl]oxy]-, methyl ester	P078	Nitrogen dioxide
P066	Methomyl	P078	Nitrogen oxide NO <sub>2</sub>
P067	1,2-Propylenimine	P081	1,2,3-Propanetriol, trinitrate (R)
P067	Aziridine, 2-methyl-	P081	Nitroglycerine (R)
P068	Hydrazine, methyl-	P082	Methanimine, N-methyl-N-nitroso-
P068	Methyl hydrazine	P082	N-Nitrosodimethylamine
P069	2-Methylactonitrile	P084	N-Nitrosomethylvinylamine
P069	Propanenitrile, 2-hydroxy-2-methyl-	P084	Vinylamine, N-methyl-N-nitroso-
P070	Aldicarb	P085	Diphosphoramidate, octamethyl-
P070	Propanal, 2-methyl-2-(methylthio)-, O- [(methylamino)carbonyl]oxime	P085	Octamethylpyrophosphoramidate
P071	Methyl parathion	P087	Osmium oxide OsO <sub>4</sub> , (T-4)-
P071	Phosphorothioic acid, O,O,-dimethyl O-(4-nitrophenyl) ester	P087	Osmium tetroxide
P072	alpha-Naphthylthiourea	P088	7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid
P072	Thiourea, 1-naphthalenyl-	P088	Endothall
P073	Nickel carbonyl	P089	Parathion
P073	Nickel carbonyl Ni(CO) <sub>4</sub> , (T-4)-	P089	Phosphorothioic acid, O,O-diethyl-O-(4-nitrophenyl) ester
		P092	Mercury, (acetato-O)phenyl-



## EPA HAZARDOUS WASTE CODES

Code	Waste description	Code	Waste description
<b>P092</b>	Phenylmercury acetate	<b>P106</b>	Sodium cyanide Na(CN)
<b>P093</b>	Phenylthiourea	<b>P108</b>	Strychnidin-10-one, & salts
<b>P093</b>	Thiourea, phenyl-	<b>P108</b>	Strychnine, & salts
<b>P094</b>	Phorate	<b>P109</b>	Tetraethyldithiopyrophosphate
<b>P094</b>	Phosphorodithioic acid, O,O-diethyl S-[(ethylthio)methyl] ester	<b>P109</b>	Thiodiphosphoric acid, tetraethyl ester
<b>P095</b>	Carbonic dichloride	<b>P110</b>	Plumbane, tetraethyl-
<b>P095</b>	Phosgene	<b>P110</b>	Tetraethyl lead
<b>P096</b>	Hydrogen phosphide	<b>P111</b>	Diphosphoric acid, tetraethyl ester
<b>P096</b>	Phosphine	<b>P111</b>	Tetraethyl pyrophosphate
<b>P097</b>	Famphur	<b>P112</b>	Methane, tetranitro- (R)
<b>P097</b>	Phosphorothioic acid O-[4-[(dimethylamino)sulfonyl]phenyl] O,O-dimethyl ester	<b>P112</b>	Tetranitromethane (R)
<b>P098</b>	Potassium cyanide	<b>P113</b>	Thallic oxide
<b>P098</b>	Potassium cyanide K(CN)	<b>P113</b>	Thallium oxide $Tl_2O_3$
<b>P099</b>	Argentate (1-), bis(cyano-C)-, potassium	<b>P114</b>	Selenious acid, dithallium (1+) salt
<b>P099</b>	Potassium silver cyanide	<b>P114</b>	Thallium(I) selenite
<b>P101</b>	Ethyl cyanide	<b>P115</b>	Sulfuric acid, dithallium (1+) salt
<b>P101</b>	Propanenitrile	<b>P115</b>	Thallium(I) sulfate
<b>P102</b>	2-Propyn-1-ol	<b>P116</b>	Hydrazinecarbothioamide
<b>P102</b>	Propargyl alcohol	<b>P116</b>	Thiosemicarbazide
<b>P103</b>	Selenourea	<b>P118</b>	Methanethiol, trichloro-
<b>P104</b>	Silver cyanide	<b>P118</b>	Trichloromethanethiol
<b>P104</b>	Silver cyanide Ag(CN)	<b>P119</b>	Ammonium vanadate
<b>P105</b>	Sodium azide	<b>P119</b>	Vanadic acid, ammonium salt
<b>P106</b>	Sodium cyanide	<b>P120</b>	Vanadium oxide $V_2O_5$
		<b>P120</b>	Vanadium pentoxide

## EPA HAZARDOUS WASTE CODES

Code	Waste description	Code	Waste description
P121	Zinc cyanide	P194	Oxamyl
P121	Zinc cyanide Zn(CN) <sub>2</sub>	P196	Manganese, bis(dimethylcarbamoedithioato-S,S')
P122	Zinc phosphide Zn <sub>3</sub> P <sub>2</sub> , when present at concentrations greater than 10% (R,T)	P196	Manganese dimethyldithiocarbamate
P123	Toxaphene	P197	Formparanate
P127	7-Benzofuranol, 2-3dihydro-2,2-dimethyl-, methylcarbamate	P197	Methanimidamide, N,N-dimethyl-N'-[2-methyl-4[[[(methylamino)carbonyl]oxy]phenyl]
P127	Carbofuran.	P198	Methanimidamide, N,N-dimethyl-N'-[3-[[[(methylamino)-carbonyl]oxy]phenyl]-, monohydrochloride
P127	7-Benzofuranol, 2, 3-dihydro-2, 2 dimethyl-, methylcarbamate	P198	Formetanate hydrochloride
P128	Phenol, 4-(dimethylamino)-3,5-dimethyl-, methylcarbamate (ester)	P199	Methiocarb.
P128	Mexacarbate	P199	Phenol, (3,5-dimethyl-4(methylthio)-, methylcarbamate
P185	1,3-Dithiolane-2carboxaldehyde, 2,4-dimethyl-, O-[(methylamino)-carbonyl]oxime.	P201	Promecarb
P188	Physostigmine salicylate	P201	Phenol, 3-methyl-5-(1-methylethyl)-, methyl carbamate
P189	Carbosulfan	P202	Phenol, 3-(1 methylethyl)-, methyl carbamate
P189	Carbamic acid, [(dibutylamino)-thio]methyl-, 2,3-dihydro-2,2dimethyl-7benzofuranyl ester.	P202	3-Isopropylphenyl N-methylcarbamate
P190	Metolcarb.	P202	m-Cumenyl methylcarbamate
P191	Dimetilan	P203	Aldicarb sulfone.
P191	Carbamic acid, dimethyl-, 1-[(dimethylamino)carbonyl]-5-methyl-1H-pyrazol-3-yl ester.	P203	Propanal, 2-methyl-2-(methyl-sulfonyl)-,O-[(methylamino)carbonyl]oxime
P192	Isolan	P204	Physostigmine
P192	Carbamic acid, dimethyl-, 3-methyl-1- (1-methylethyl)-1H-pyrazo-5-yl ester.	P204	Pyrrolo[2,3-b]indol-5-ol, 1,2,3,3a,8,8a-hexahydro-1, 3a,8-trimethylmethylcarbamate (ester), (3aS-cis)-
P194	Ethanimidothioc acid, 2-(dimethylamino)-N-[[[(methylamino) carbonyl]oxy]-2-oxo-,methyl ester	P205	Ziram

## EPA HAZARDOUS WASTE CODES

Code	Waste description	Code	Waste description
<b>DISCARDED COMMERCIAL CHEMICAL PRODUCTS, OFF-SPECIFICATION SPECIES, CONTAINER RESIDUES, AND SPILL RESIDUES THEREOF – TOXIC WASTES</b> (SEE 40 CFR 261.33 FOR AN ALPHABETIZED LISTING)		<b>U010</b>	Azirino [2',3':3,4]pyrrolo[1,2-a]indole-4,7-dione, 6-amino-8-[[[(aminocarbonyl)oxy]methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-, [1aS-(1aalpha, 8beta, 8aalpha, 8balph)]-
<b>See F027</b>	2,3,4,6-Tetrachlorophenol	<b>U010</b>	Mitomycin C
	2,4,5-T	<b>U011</b>	1H-1,2,4-Triazol-3-amine
	2,4,5-Trichlorophenol	<b>U011</b>	Amitrole
	2,4,6-Trichlorophenol	<b>U012</b>	Aniline (I,T)
	Acetic acid, (2,4,5-trichlorophenoxy)-	<b>U012</b>	Benzenamine (I,T)
	Pentachlorophenol	<b>U012</b>	Benzenamine (I,T)
	Phenol, 2,3,4,6-tetrachloro-	<b>U014</b>	Auramine
	Phenol, 2,4,5-trichloro-	<b>U014</b>	Benzenamine, 4,4'-carbonimidoylbis[N,N-dimethyl-
	Phenol, 2,4,6-trichloro-	<b>U014</b>	Benzenamine, 4,4'-carbonimidoylbis[N,N-dimethyl-
	Phenol, pentachloro-	<b>U015</b>	Azaserine
	Propanoic acid, 2-(2,4,5-trichlorophenoxy)-	<b>U015</b>	L-Serine, diazoacetate (ester)
	Silvex (2,4,5-TP)	<b>U015</b>	L-Serine, diazoacetate (ester)
		<b>U016</b>	Benz[c]acridine
		<b>U017</b>	Benzal chloride
		<b>U017</b>	Benzene, (dichloromethyl)-
		<b>U018</b>	Benz[a]anthracene
		<b>U019</b>	Benzene (I,T)
		<b>U020</b>	Benzenesulfonic acid chloride (C,R)
		<b>U020</b>	Benzenesulfonyl chloride (C,R)
		<b>U021</b>	[1,1'-Biphenyl]-4,4'-diamine
<b>U001</b>	Acetaldehyde (I)	<b>U021</b>	Benzydine
<b>U001</b>	Ethanal (I)	<b>U022</b>	Benzo[a]pyrene
<b>U002</b>	2-Propanone (I)	<b>U023</b>	Benzene, (trichloromethyl)-
<b>U002</b>	Acetone (I)	<b>U023</b>	Benzotrichloride (C,R,T)
<b>U003</b>	Acetonitrile (I,T)	<b>U024</b>	Dichloromethoxy ethane
<b>U004</b>	Acetophenone	<b>U024</b>	Ethane, 1,1'-[methylenebis(oxy)]bis[2-chloro-
<b>U004</b>	Ethanone, 1-phenyl-	<b>U025</b>	Dichloroethyl ether
<b>U005</b>	2-Acetylaminofluorene	<b>U025</b>	Ethane, 1,1'-oxybis[2-chloro-
<b>U005</b>	Acetamide, N-9H-fluoren-2-yl	<b>U026</b>	Chlornaphazin
<b>U006</b>	Acetyl chloride (C,R,T)		
<b>U007</b>	2-Propenamide		
<b>U007</b>	Acrylamide		
<b>U008</b>	2-Propenoic acid (I)		
<b>U008</b>	Acrylic acid (I)		
<b>U009</b>	2-Propenenitrile		
<b>U009</b>	Acrylonitrile		

### EPA HAZARDOUS WASTE CODES

Code	Waste description	Code	Waste description
U026	Naphthalenamine, N,N'-bis(2-chloroethyl)-	U039	Phenol, 4-chloro-3-methyl-
U027	Dichloroisopropyl ether	U041	Epichlorohydrin
U027	Propane, 2,2'-oxybis[2-chloro-	U041	Oxirane, (chloromethyl)-
U028	1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester	U042	2-Chloroethyl vinyl ether
U028	Diethylhexyl phthalate	U042	Ethene, (2-chloroethoxy)-
U029	Methane, bromo-	U043	Ethene, chloro-
U029	Methyl bromide	U043	Vinyl chloride
U030	4-Bromophenyl phenyl ether	U044	Chloroform
U030	Benzene, 1-bromo-4-phenoxy-	U044	Methane, trichloro-
U031	1-Butanol (I)	U045	Methane, chloro- (I,T)
U031	n-Butyl alcohol (I)	U045	Methyl chloride (I,T)
U032	Calcium chromate	U046	Chloromethyl methyl ether
U032	Chromic acid H <sub>2</sub> CrO <sub>4</sub> , calcium salt	U046	Methane, chloromethoxy-
U033	Carbon oxyfluoride (R,T)	U047	beta-Chloronaphthalene
U033	Carbonic difluoride	U047	Naphthalene, 2-chloro-
U034	Acetaldehyde, trichloro-	U048	o-Chlorophenol
U034	Chloral	U048	Phenol, 2-chloro-
U035	Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-	U049	4-Chloro-o-toluidine, hydrochloride
U035	Chlorambucil	U049	Benzenamine, 4-chloro-2-methyl-, hydrochloride
U036	4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-	U050	Chrysene
U036	Chlordane, alpha & gamma isomers	U051	Creosote
U037	Benzene, chloro-	U052	Cresol (Cresylic acid)
U037	Chlorobenzene	U052	Phenol, methyl-
U038	Benzenecetic acid, 4-chloro-alpha-(4-chlorophenyl)-alpha-hydroxy-, ethyl ester	U053	2-Butenal
U038	Chlorobenzilate	U053	Crotonaldehyde
U039	p-Chloro-m-cresol	U055	Benzene, (1-methylethyl)- (I)
		U055	Cumene (I)
		U056	Benzene, hexahydro- (I)

## EPA HAZARDOUS WASTE CODES

Code	Waste description	Code	Waste description
U056	Cyclohexane (I)	U071	Benzene, 1,3-dichloro-
U057	Cyclohexanone (I)	U071	m-Dichlorobenzene
U058	2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)tetrahydro-, 2-oxide	U072	Benzene, 1,4-dichloro-
U058	Cyclophosphamide	U072	p-Dichlorobenzene
U059	5,12-Naphthacenedione, 8-acetyl-10-[(3-amino-2,3,6-trideoxy)-alpha-L-lyxo-hexopyranosyl]oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S-cis)-	U073	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dichloro-
U059	Daunomycin	U073	3,3'-Dichlorobenzidine
U060	Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-chloro-	U074	1,4-Dichloro-2-butene (I,T)
U060	DDD	U074	2-Butene, 1,4-dichloro- (I,T)
U061	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro-	U075	Dichlorodifluoromethane
U061	DDT	U075	Methane, dichlorodifluoro-
U062	Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester	U076	Ethane, 1,1-dichloro-
U062	Diallate	U076	Ethylidene dichloride
U063	Dibenz[a,h]anthracene	U077	Ethane, 1,2-dichloro-
U064	Benzo[rs]pentaphene	U077	Ethylene dichloride
U064	Dibenzo[a,i]pyrene	U078	1,1-Dichloroethylene
U066	1,2-Dibromo-3-chloropropane	U078	Ethene, 1,1-dichloro-
U066	Propane, 1,2-dibromo-3-chloro-	U079	1,2-Dichloroethylene
U067	Ethane, 1,2-dibromo-	U079	Ethene, 1,2-dichloro-, (E)-
U067	Ethylene dibromide	U080	Methane, dichloro-
U068	Methane, dibromo-	U080	Methylene chloride
U068	Methylene bromide	U081	2,4-Dichlorophenol
U069	1,2-Benzenedicarboxylic acid, dibutyl ester	U081	Phenol, 2,4-dichloro-
U069	Dibutyl phthalate	U082	2,6-Dichlorophenol
U070	Benzene, 1,2-dichloro-	U082	Phenol, 2,6-dichloro-
U070	o-Dichlorobenzene	U083	Propane, 1,2-dichloro-
		U083	Propylene dichloride
		U084	1,3-Dichloropropene
		U084	1-Propene, 1,3-dichloro-

## EPA HAZARDOUS WASTE CODES

Code	Waste description	Code	Waste description
U085	1,2:3,4-Diepoxybutane (I,T)	U098	Hydrazine, 1,1-dimethyl-
U085	2,2'-Bioxirane	U099	1,2-Dimethylhydrazine
U086	Hydrazine, 1,2-diethyl-	U099	Hydrazine, 1,2-diphenyl-
U086	N,N'-Diethylhydrazine	U101	2,4-Dimethylphenol
U087	O,O-Diethyl S-methyl dithiophosphate	U101	Phenol, 2,4-dimethyl-
U087	Phosphorodithioic acid, O,O-diethyl S-methyl ester	U102	1,2-Benzenedicarboxylic acid, dimethyl ester
U088	1,2-Benzenedicarboxylic acid, diethyl ester	U102	Dimethyl phthalate
U088	Diethyl phthalate	U103	Dimethyl sulfate
U089	Diethylstilbesterol	U103	Sulfuric acid, dimethyl ester
U089	Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis, (E)-	U105	2,4-Dinitrotoluene
U090	1,3-Benzodioxole, 5-propyl-	U105	Benzene, 1-methyl-2,4-dinitro-
U090	Dihydrosafrole	U106	2,6-Dinitrotoluene
U091	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethoxy-	U106	Benzene, 2-methyl-1,3-dinitro-
U091	3,3'-Dimethoxybenzidine	U107	1,2-Benzenedicarboxylic acid, dioctyl ester
U092	Dimethylamine (I)	U107	Di-n-octyl phthalate
U092	Methanamine, N-methyl- (I)	U108	1,4-Diethyleneoxide
U093	Benzenamine, N,N-dimethyl-4-(phenylazo)-	U108	1,4-Dioxane
U093	p-Dimethylaminoazobenzene	U109	1,2-Diphenylhydrazine
U094	7,12-Dimethylbenz[a]anthracene	U109	Hydrazine, 1,2-diphenyl-
U094	Benz[a]anthracene, 7,12-dimethyl-	U110	1-Propanimine, N-propyl-(I)
U095	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethyl-	U110	Dipropylamine (I)
U095	3,3'-Dimethylbenzidine	U111	1-Propanamine, N-nitroso-N-propyl-
U096	alpha,alpha-Dimethylbenzylhydroperoxide (R)	U111	Di-n-propylnitrosamine
U096	Hydroperoxide, 1-methyl-1-phenylethyl- (R)	U112	Acetic acid, ethyl ester (I)
U097	Carbamic chloride, dimethyl-	U112	Ethyl acetate (I)
U097	Dimethylcarbamoyl chloride	U113	2-Propenoic acid, ethyl ester (I)
U098	1,1-Dimethylhydrazine	U113	Ethyl acrylate (I)

## EPA HAZARDOUS WASTE CODES

Code	Waste description	Code	Waste description
U114	Carbamodithioic acid, 1,2-ethanedithylbis-, salts & esters	U129	Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1alpha, 2alpha, 3beta, 4alpha, 5alpha, 6beta)-
U114	Ethylenebisdithiocarbamic acid, salts & esters	U129	Lindane
U115	Ethylene oxide (I,T)	U130	1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-
U115	Oxirane (I,T)	U130	Hexachlorocyclopentadiene
U116	2-Imidazolidinethione	U131	Ethane, hexachloro-
U116	Ethylenethiourea	U131	Hexachloroethane
U117	Ethane, 1,1'-oxybis-(I)	U132	Hexachlorophene
U117	Ethyl ether (I)	U132	Phenol, 2,2'-methylenebis[3,4,6-trichloro-
U118	2-Propenoic acid, 2-methyl-, ethyl ester	U133	Hydrazine (R,T)
U118	Ethyl methacrylate	U134	Hydrofluoric acid (C,T)
U119	Ethyl methanesulfonate	U134	Hydrogen fluoride (C,T)
U119	Methanesulfonic acid, ethyl ester	U135	Hydrogen sulfide
U120	Fluoranthene	U135	Hydrogen sulfide H2S
U121	Methane, trichlorofluoro-	U136	Arsinic acid, dimethyl-
U121	Trichloromonofluoromethane	U136	Cacodylic acid
U122	Formaldehyde	U137	Indeno[1,2,3-cd]pyrene
U123	Formic acid (C,T)	U138	Methane, iodo-
U124	Furan (I)	U138	Methyl iodide
U124	Furfuran (I)	U140	1-Propanol, 2-methyl- (I,T)
U125	2-Furancarboxaldehyde (I)	U140	Isobutyl alcohol (I,T)
U125	Furfural (I)	U141	1,3-Benzodioxole, 5-(1-propenyl)-
U126	Glycidylaldehyde	U141	Isosafrole
U126	Oxiranecarboxyaldehyde	U142	1,3,4-Metheno-2H-cyclobuta[cd]pentalen-2-one, 1,1a,3,3a,4,5,5a,5b,6-decachlorooctahydro-
U127	Benzene, hexachloro-	U142	Kepone
U127	Hexachlorobenzene	U143	2-Butenoic acid, 2-methyl-, 7-[[2,3-dihydroxy-2-(1-methoxyethyl)-3-methyl-1-oxobutoxy]methyl]-2,3,5,7a-tetrahydro-1H-pyrrolizin-1-yl ester, [1S-[1alpha(Z), 7(2S*,3R*), 7aalpha]]-
U128	1,3-Butadiene, 1,1,2,3,4,4-hexachloro-		
U128	Hexachlorobutadiene	U143	Lasiocarpine

## EPA HAZARDOUS WASTE CODES

Code	Waste description	Code	Waste description
U144	Acetic acid, lead(2+) salt	U158	4,4'-Methylenebis(2-chloroaniline)
U144	Lead acetate	U158	Benzenamine, 4,4'-methylenebis[2-chloro-
U145	Lead phosphate	U159	2-Butanone (I,T)
U145	Phosphoric acid, lead(2+) salt (2:3)	U159	Methyl ethyl ketone (MEK) (I,T)
U146	Lead subacetate	U160	2-Butanone, peroxide (R,T)
U146	Lead, bis(acetato-O)tetrahydroxytri-	U160	Methyl ethyl ketone peroxide (R,T)
U147	2,5-Furandione	U161	4-Methyl-2-pentanone (I)
U147	Maleic anhydride	U161	Methyl isobutyl ketone (I)
U148	3,6-Pyridazinedione, 1,2-dihydro-	U161	Pentanol, 4-methyl-
U148	Maleic hydrazide	U162	2-Propenoic acid, 2-methyl-, methyl ester (I,T)
U149	Malononitrile	U162	Methyl methacrylate (I,T)
U149	Propanedinitrile	U163	Guanidine, N-methyl-N'-nitro-N-nitroso-
U150	L-Phenylalanine, 4-[bis(2-chloroethyl)amino]-	U163	MNNG
U150	Melphalan	U164	4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-
U151	Mercury	U164	Methylthiouracil
U152	2-Propenenitrile, 2-methyl- (I,T)	U165	Naphthalene
U152	Methacrylonitrile (I,T)	U166	1,4-Naphthalenedione
U153	Methanethiol (I,T)	U166	1,4-Naphthoquinone
U153	Thiomethanol (I,T)	U167	1-Naphthalenamine
U154	Methanol (I)	U167	alpha-Naphthylamine
U154	Methyl alcohol (I)	U168	2-Naphthalenamine
U155	1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl-N'-(2-thienylmethyl)-	U168	beta-Naphthylamine
U155	Methapyrilene	U169	Benzene, nitro-
U156	Carbonochloridic acid, methyl ester, (I,T)	U169	Nitrobenzene (I,T)
U156	Methyl chlorocarbonate (I,T)	U170	p-Nitrophenol (I,T)
U157	3-Methylcholanthrene	U170	Phenol, 4-nitro-
U157	Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-	U171	2-Nitropropane (I,T)
		U171	Propane, 2-nitro- (I,T)



## EPA HAZARDOUS WASTE CODES

Code	Waste description	Code	Waste description
U172	1-Butanamine, N-butyl-N-nitroso-	U187	Acetamide, N-(4-ethoxyphenyl)-
U172	N-Nitrosodi-n-butylamine	U187	Phenacetin
U173	Ethanol, 2,2'-(nitrosoimino)bis-	U188	Phenol
U173	N-Nitrosodiethanolamine	U189	Phosphorus sulfide (R)
U174	Ethanamine, N-ethyl-N-nitroso-	U189	Sulfur phosphide (R)
U174	N-Nitrosodiethylamine	U190	1,3-Isobenzofurandione
U176	N-Nitroso-N-ethylurea	U190	Phthalic anhydride
U176	Urea, N-ethyl-N-nitroso-	U191	2-Picoline
U177	N-Nitroso-N-methylurea	U191	Pyridine, 2-methyl-
U177	Urea, N-methyl-N-nitroso-	U192	Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-
U178	Carbamic acid, methylnitroso-, ethyl ester	U192	Pronamide
U178	N-Nitroso-N-methylurethane	U193	1,2-Oxathiolane, 2,2-dioxide
U179	N-Nitrosopiperidine	U193	1,3-Propane sultone
U179	Piperidine, 1-nitroso-	U194	1-Propanamine (I,T)
U180	N-Nitrosopyrrolidine	U194	n-Propylamine (I,T)
U180	Pyrrolidine, 1-nitroso-	U196	Pyridine
U181	5-Nitro-o-toluidine	U197	2,5-Cyclohexadiene-1,4-dione
U181	Benzenamine, 2-methyl-5-nitro	U197	p-Benzoquinone
U182	1,3,5-Trioxane, 2,4,6-trimethyl-	U200	Reserpine
U182	Paraldehyde	U200	Yohimban-16-carboxylic acid, 11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl)oxy]-, methyl ester, (3beta, 16beta, 17alpha, 18beta, 20alpha)-
U183	Benzene, pentachloro-	U201	1,3-Benzenediol
U183	Pentachlorobenzene	U201	Resorcinol
U184	Ethane, pentachloro-	U202	1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide, & salts
U184	Pentachloroethane	U202	Saccharin, & salts
U185	Benzene, pentachloronitro-	U203	1,3-Benzodioxole, 5-(2-propenyl)-
U185	Pentachloronitrobenzene (PCNB)	U203	Safrole
U186	1,3-Pentadiene (I)	U204	Selenious acid
U186	1-Methylbutadiene (I)		

## EPA HAZARDOUS WASTE CODES

Code	Waste description	Code	Waste description
U204	Selenium dioxide	U218	Thioacetamide
U205	Selenium sulfide	U219	Thiourea
U205	Selenium sulfide SeS <sub>2</sub> (R,T)	U220	Benzene, methyl-
U206	D-Glucose, 2-deoxy-2- [[[(methylnitrosoamino)-carbonyl]amino]-	U220	Toluene
U206	Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-,D-	U221	Benzenediamine, ar-methyl-
U206	Streptozotocin	U221	Toluenediamine
U207	1,2,4,5-Tetrachlorobenzene	U222	Benzenamine, 2-methyl-, hydrochloride
U207	Benzene, 1,2,4,5-tetrachloro-	U222	o-Toluidine hydrochloride
U208	1,1,1,2-Tetrachloroethane	U223	Benzene, 1,3-diisocyanatomethyl- (R,T)
U208	Ethane, 1,1,1,2-tetrachloro-	U223	Toluene diisocyanate (R,T)
U209	1,1,2,2-Tetrachloroethane	U225	Bromoform
U209	Ethane, 1,1,2,2-tetrachloro-	U225	Methane, tribromo-
U210	Ethene, tetrachloro-	U226	Ethane, 1,1,1-trichloro-
U210	Tetrachloroethylene	U226	Methyl chloroform
U211	Carbon tetrachloride	U227	1,1,2-Trichloroethane
U211	Methane, tetrachloro-	U227	Ethane, 1,1,2-trichloro-
U213	Furan, tetrahydro-(I)	U228	Ethene, trichloro-
U213	Tetrahydrofuran (I)	U228	Trichloroethylene
U214	Acetic acid, thallium(1+) salt	U234	1,3,5-Trinitrobenzene (R,T)
U214	Thallium(I) acetate	U234	Benzene, 1,3,5-trinitro-
U215	Carbonic acid, dithallium(1+) salt	U235	1-Propanol, 2,3-dibromo-, phosphate (3:1)
U215	Thallium(I) carbonate	U235	Tris(2,3-dibromopropyl) phosphate
U216	Thallium chloride TlCl	U236	2,7-Naphthalenedisulfonic acid,3,3'-[(3,3'-dimethyl[1,1'-biphenyl]-4,4'-diyl)bis(azo)bis[5-amino-4-hydroxy]-, tetrasodium salt
U216	Thallium(I) chloride	U236	Trypan blue
U217	Nitric acid, thallium(1+) salt	U237	2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2-chloroethyl)amino]-
U217	Thallium(I) nitrate	U237	Uracil mustard
U218	Ethanethioamide		

## EPA HAZARDOUS WASTE CODES

Code	Waste description	Code	Waste description
U238	Carbamic acid, ethyl ester	U328	Benzenamine, 2-methyl-
U238	Ethyl carbamate (urethane)	U328	o-Toluidine
U239	Benzene, dimethyl- (l,T)	U353	Benzenamine, 4-methyl-
U239	Xylene (l)	U353	p-Toluidine
U240	2,4-D, salts & esters	U359	Ethanol, 2-ethoxy-
U240	Acetic acid, (2,4-dichlorophenoxy)-, salts & esters	U359	Ethylene glycol monoethyl ether
U240	Dichlorophenoxyacetic acid 2,4-D	U364	1,3-Benzodioxol-4ol, 2,2-dimethyl
U243	1-Propene, 1,1,2,3,3,3-hexachloro-	U364	Bendiocarb phenol
U243	Hexachloropropene	U367	7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-
U244	Thioperoxydicarbonic diamide [(H <sub>2</sub> N)C(S)] <sub>2</sub> S <sub>2</sub> , tetramethyl-	U367	Carbofuran phenol
U244	Thiram	U372	Carbamic acid, 1H-benzimidazol-2-yl, methyl ester
U246	Cyanogen bromide (CN)Br	U372	Carbendazim
U247	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-methoxy-	U373	Carbamic acid, phenyl-, 1-methylethyl ester
U247	Methoxychlor	U373	Propham
U248	2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenyl-butyl)-, & salts, when present at concentrations of 0.3% or less	U387	Carbamothiocic acid, dipropyl-, S-(phenylmethyl) ester
U248	Warfarin, & salts, when present at concentrations of 0.3% or less	U387	Prosulfocarb
U249	Zinc phosphide Zn <sub>3</sub> P <sub>2</sub> , when present at concentrations of 10% or less	U389	Triallate
U271	Benomyl	U389	Carbamothiocic acid, bis (1-methylethyl)-, S-(2,3,3-trichloro-2propenyl) ester
U278	Bendiocarb	U394	Ethanimidothioic acid, 2-(dimethylamino)-N-hydroxy-2-oxo, methyl ester
U278	1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methyl carbamate	U394	A2213
U279	Carbaryl	U395	Diethylene glycol, dicarbamate
U279	1-Naphthalenol, methylcarbamate	U395	Ethanol, 2, 2;-oxybis-,dicarbamate
U280	Barban	U404	Ethanamine, N, N-diethyl-
U280	Carbamic acid, (3-chlorophenol)-, 4-chloro-2-butynyl ester	U404	Triethylamine
		U408	2,4,6-Tribromophenol
		U409	Thiophanate-methyl

**EPA HAZARDOUS WASTE CODES**

<b>Code</b>	<b>Waste description</b>	<b>Code</b>	<b>Waste description</b>
<b>U409</b>	Carbamic acid, (1,2-phenylenebis (iminocarbonothioyl))bis-, dimethyl ester	<b>U411</b>	Propoxur
<b>U410</b>	Ethanimidothioci acid, N, N'-(thiobis[(methylimino)carbonyloxy])bis-, dimethyl ester	<b>U411</b>	Phenol, 2-(-1-methylethoxy)-, methylcarbamate